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To further expand this Data Series and to facilitate current research studies, this Master Index combines all of the indexes in each of the 13 individual volumes. This Master Index should be used a a first reference book which the researcher should consult to become acquainted with the contents and coverage of this extensive Data Series on thermophysical properties. Also, this index summarises the numerous changes in names and groups of materials which have been reported in this data series.

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THERMOPHYSICAL PROPERTIES OF MATTER The TPRC Data Series

A Comprehensive Compilation of Data by the Thermophysical Properties Research Center (TPRC), Purdue University

Y. S. Touloukian, Series Editor C. Y. Ho, Series Technical Editor

Volume 1. Thermal Conductivity—Metallic Elements and Alloys Thermal Conductivity—Nonmetallic Solids Volume 2. Voiume 3. Thermal Conductivity—Nonmetallic Liquids and Gases Volume 4. Specific Heat-Metallic Elements and Alloys Volume 5. Specific Heat-Nonmetallic Solids Volume 6. Specific Heat—Nonmetallic Liquids and Gases (and Supplement) Volume 7. Thermal Radiative Properties-Metallic Elements and Alloys Volume 8. Thermal Radiative Properties-Nonmetallic Solids Volume 9. Thermal Radiative Properties—Coatings Volume 10. Thermal Diffusivity Volume 11. Viscosity Thermal Expansion-Metallic Elements and Alloys Volume 12. Thermal Expansion—Nonmetallic Solids Volume 13. Master Index to Materials and Properties Index Volume

New data on thermophysical properties are being constantly accumulated at TPRC. Contact TPRC and use its interim updating services for the most current information.

MASTER INDEX

To Materials and Properties

MASTER INDEX

To Materials and Properties

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"In this work, when it shall be found that much is omitted, let it not be forgotten that much likewise is performed..."

SAMUEL JOHNSON, A.M.

From last paragraph of Preface to his twovolune Dictionary of the English Language, Vol. 1, page 5, 1755, London, Printed by Strahan.

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Foreword to the Series

In 1957, the Thermophysical Properties Research Center (TPRC) of Purdue University, under the leadership of its founder, Professor Y. S. Touloukian, began to develop a coordinated experimental, theoretical, and literature review program covering a set of properties of great importance to science and technology. Over the years, this program has grown steadily, producing bibliographies, data compilations and recommendations, experimental measurements, and other output. The series of volumes for which these remarks constitute a foreword is one of these many important products. These volumes are a monumental accomplishment in themselves, requiring for their production the combined knowledge and skills of dozens of dedicated specialists. The Thermophysical Properties Research Center deserves the gratitude of every scientist and engineer who uses these compiled data.

The individual nontechnical citizen of the United States has a stake in this work also, for much of the science and technology that contributes to his well-being relies on the use of these data. Indeed, recognition of this importance is indicated by a mere reading of the list of the financial sponsors of the Thermophysical Properties Research Center; leaders of the technical industry of the United States and agencies of the Federal Government are well represented.

Experimental measurements made in a laboratory have many potential applications. They might be used, for example, to check a theory, or to help design a chemical manufacturing plant, or to compute the characteristics of a heat exchanger in a nuclear power plant. The progress of science and technology demands that results be published in the open literature so that others may use them. Fortunately for progress, the useful data in any single field are not scattered throughout the tens of thousands of technical journals published throughout the world. In most fields, fifty percent of the useful work appears in no more than thirty or forty journals. However, in the case of TPRC, its field is so broad

that about 100 journals are required to yield fifty percent. But that other fifty percent! It is scattered through more than 3500 journals and other documents, often items not readily identifiable or obtainable. Over 85,000 references are now in the files.

Thus, the man who wants to use existing data, rather than make new measurements himself, faces a long and costly task if he wants to assure himself that he has found all the relevant results. More often than not, a search for data stops after one or two results are found—or after the searcher decides he has spent enough time looking. Now with the appearance of these volumes, the scientist or engineer who needs these kinds of data can consider himself very fortunate. He has a single source to turn to; thousands of hours of search time will be saved, innumerable repetitions of measurements will be avoided, and several billions of dollars of investment in research work will have been preserved.

However, the task is not ended with the generation of these volumes. A critical evaluation of much of the data is still needed. Why are discrepant results obtained by different experimentalists? What undetected sources of systematic error may affect some or even all measurements? What value can be derived as a "recommended" figure from the various conflicting values that may be reported? These questions are difficult to answer, requiring the most sophisticated judgment of a specialist in the field. While a number of the volumes in this Series do contain critically evaluated and recommended data, these are still in the minority. The data are now being more intensively evaluated by the staff of TPRC as an integral part of the effort of the National Standard Reference Data System (NSRDS). The task of the National Standard Reference Data System is to organize and operate a comprehensive program to prepare compilations of critically evaluated data on the properties of substances. The NSRDS is administered by the National Bureau of Standards under a directive from the Federal Council for Science

and Technology, augmented by special legislation of the Congress of the United States. TPRC is one of the national resources participating in the National Standard Reference Data System in a united effort to satisfy the needs of the technical community for readily accessible, critically evaluated data.

As a representative of the NBS Office of Standard Reference Data, I want to congratulate Professor Touloukian and his colleagues on the accomplishments represented by this Series of reference data

books. Scientists and engineers the world over are indebted to them. The task ahead is still an awesome one and I urge the nation's private industries and all concerned Federal agencies to participate in fulfilling this national need of assuring the availability of standard numerical reference data for science and technology.

EDWARD L. BRADY Associate Director for Information Programs National Bureau of Standards

Preface to the Series

Thermophysical Properties of Matter, the TPRC Data Series, is the culmination of twenty years of pioneering effort of the Thermophysical Properties Research Center (TPRC), one of the operating centers of the Center for Information and Numerical Data Analysis and Synthesis (CINDAS) at Purdue University, in the generation of tables of numerical data for science and technology. It constitutes the restructuring, accompanied by extensive revision and expansion of coverage, of the original TPRC Data Book, first released in 1960 in loose-leaf format, 11"×17" in size, and issued in June and December annually in the form of supplements. The original loose-leaf Data Book was organized in three volumes: (1) metallic elements and alloys; (2) nonmetallic elements, compounds, and mixtures which are solid at N.T.P., and (3) non-metallic elements, compounds, and mixtures which are liquid or gaseous at N.T.P. Within each volume, each property constituted a chapter.

Because of the vast proportions the *Data Book* began to assume over the years of its growth and the greatly increased effort necessary in its maintenance by the user, it was decided in 1967 to change from the loose-leaf format to a conventional publication. Thus, the December 1966 supplement of the original *Data Book* was the last supplement disseminated by TPRC.

While the manifold physical, logistic, and economic advantages of the bound volume over the loose-leaf oversize format are obvious and welcome to all who have used the unwieldy original volumes, the assumption that this work will no longer be kept on a current basis because of its bound format would not be correct. Fully recognizing the need of many important research and development programs which require the latest available information, TPRC has instituted a *Data Update Plan* enabling the subscriber to inquire, by telephone if necessary, for specific information and receive, in many instances, same-day response on any new data processed or revision of published data since the latest edition. In

this context, the TPRC Data Series departs drastically from the conventional handbook and giant multivolume classical works, which are no longer adequate media for the dissemination of numerical data of science and technology without a continuing activity on contemporary coverage. The loose-leaf arrangements of many works fully recognize this fact and attempt to develop a combination of bound volumes and loose-leaf supplement arrangements as the work becomes increasingly large. TPRC's Data Update Plan is indeed unique in this sense since it maintains the contents of the TPRC Data Series current and live on a day-to-day basis between editions. In this spirit, I strongly urge all purchasers of these volumes to complete in detail and return the Volume Registration Certificate which accompanies each volume in order to assure themselves of the continuous receipt of annual listing of corrigenda during the life of the edition.

The TPRC Data Series consists of 13 independent volumes. The first seven of these volumes were published in 1970, Volumes 8 and 9 in 1972, Volume 10 in 1973, Volumes 11 and 12 in 1975, and a Supplement to Volume 6 and Volume 13 in 1976. The organization of the TPRC Data Series makes each volume a self-contained entity available individually without the need to purchase the entire Series.

The coverage of the specific thermophysical properties represented by this Series constitutes the most comprehensive and authoritative collection of numerical data of its kind for science and technology.

Whenever possible, a uniform format has been used in all volumes, except when variations in presentation were necessitated by the nature of the property or the physical state concerned. In spite of the wealth of data reported in these volumes, it should be recognized that all volumes are not of the same degree of completeness. However, as additional data are processed at TPRC on a continuing basis, subsequent editions will become increasingly more

complete and up to date. Each volume in the Series basically comprises three sections, consisting of a text, the body of numerical data with source references, and a material index.

The aim of the textual material is to provide a complementary or supporting role to the body of numerical data rather than to present a treatise on the subject of the property. The user will find a basic theoretical treatment, a comprehensive presentation of selected works which constitute reviews, or compendia of empirical relations useful in estimation of the property when there exists a paucity of data or when data are completely lacking. Established major experimental techniques are also briefly reviewed.

The body of data is the core of each volume and is presented in both graphical and tabular formats for convenience of the user. Every single point of numerical data is fully referenced as to its original source and no secondary sources of information are used in data extraction. In general, it has not been possible to critically scrutinize all the original data presented in these volumes, except to eliminate perpetuation of gross errors. However, in a significant number of cases, such as for the properties of liquids and gases, the thermal conductivity and thermal diffusivity of all the elements, and the thermal expansion of most materials in all material categories, the task of full evaluation, synthesis, and correlation has been completed. It is hoped that in subsequent editions of this continuing work, not only new information will be reported but the critical evaluation will be extended to increasingly broader classes of materials and properties

The third and final major section of each volume is the material index. This is the key to the volume, enabling the user to exercise full freedom of access to its contents by any choice of substance name or detailed alloy and mixture composition, trade name, synonym, etc. Of particular interest here is the fact that in the case of those properties which are reported in separate companion volumes, the material index in each of the volumes also reports the contents of the other companion volumes.* The sets of companion volumes are as follows:

Thermal conductivity: Volumes 1, 2, 3
Specific heat: Volumes 4, 5, 6, 6S
Radiative properties: Volumes 7, 8, 9
Thermal expansion: Volumes 12, 13

The ultimate aims and functions of TPRC's Data Tables Division are to extract, evaluate, reconcile. correlate, and synthesize all available data for the thermophysical properties of materials with the result of obtaining internally consistent sets of property values, termed the "recommended reference values." In such work, gaps in the data often occur, for ranges of temperature, composition, etc. Whenever feasible, various techniques are used to fill in such missing information, ranging from empirical procedures to detailed theoretical calculations. Such studies are resulting in valuable new estimation methods being developed which have made it possible to estimate values for substances and/or physical conditions presently unmeasured or not amenable to laboratory investigation. Depending on the available information for a particular property and substance, the end product may vary from simple tabulations of isolated values to detailed tabulations with generating equations, plots showing the concordance of the different values, and, in some cases, over a range of parameters presently unexplored in the laboratory.

The TPRC Data Series constitutes a permanent and valuable contribution to science and technology. These constantly growing volumes are invaluable sources of data to engineers and scientists, sources in which a wealth of information heretofore unknown or not readily available has been made accessible. We look forward to continued improvement of both format and contents so that TPRC may serve the scientific and technological community with everincreasing excellence in the years to come. In this connection, the staff of TPRC is most anxious to receive comments, suggestions, and criticisms from all users of the volumes. An increasing number of colleagues are making available at the earliest possible moment reprints of their papers and reports as well as pertinent information on the more obscure publications. I wish to renew my earnest request that this procedure become a universal practice since it will prove to be most helpful in making TPRC's continuing effort more complete and up to date.

It is indeed a pleasure to acknowledge with gratitude the multisource financial assistance received from over fifty sponsors which has made the continued generation of these tables possible. In particular, I wish to single out the sustained major support received from the Air Force Materials Laboratory-Air Force Systems Command, the Defense Supply Agency, the Office of Standard Reference Data-National Bureau of Standards, and the Office of Advanced Research and Technology-National Aeronautics and Space Administration.

^{*}For the first edition of the Series, this arrangement was not feasible for Volumes 6S, 7, 8, and 12 due to the sequence and schedule of their publication, and the Supplement to Volume 6 (Volume 6S) carries its own independent material index.

TPRC is indeed proud to have been designated as a National Information Analysis Center for the Department of Defense as well as a component of the National Standard Reference Data System under the cognizance of the National Bureau of Standards.

While the preparation and continued maintenance of this work is the responsibility of TPRC's Data Tables Division, it would not have been possible without the direct input of TPRC's Scientific Documentation Division and, to a lesser degree, the Theoretical and Experimental Research Divisions. The authors of the various volumes are the Senior staff members in responsible charge of the work. It should be clearly understood, however, that many have contributed over the years and their contributions are specifically acknowledged in each volume. I

wish to take this opportunity to personally thank those members of the staff, assistant researchers, graduate research assistants, and supporting graphics and technical typing personnal without whose diligent and painstaking efforts this work could not have materialized.

Y. S. TOULOUKIAN

Director
Center for Information and Numerical
Data Analysis and Synthesis
Distinguished Atkins Professor of Engineering

Purdue University West Lafayette, Indiana November 1978

Introduction to Index Volume

Now that the 13-volume Thermophysical Properties of Matter – The TPRC Data Series is completed, it may be quite appropriate and informative to have an overview of this Series which was published over the years 1970 to 1977. Statistical data on the Series, presented in the accompanying table, are self-explanatory and give an indication of the scope of this monumental work.

This 178-page Master Index to the 6362 individual materials and properties reported in the 13-volume Data Series is prepared with a dual purpose in mind. First, it will assist those who wish to use this work to rapidly

ascertain whether a particular property for a given substance is reported in the Series, and if so, on which page of which volume it is to be found. Secondly, and perhaps equally important, it will serve as a reference source for those who do not have this Series to determine if the property and substance or material of interest is covered by this encyclopedic work.

Naturally, each of the 14 books of the 13-volume Series (including the Supplement to Volume 6) has its own materials index. However, because of the unusually large size of the Series it was felt that an index to all

SUMMARY OF STATISTICAL DATA ON THERMOPHYSICAL PROPERTIES OF MATTER - THE TPRC DATA SERIES

	Number of pages	Number of data sets	Number of references	Number of materials
Volume 1: Thermal Conductivity - Metallic Elements and Alloys	1595	5539	1446	892
Volume 2: Thermal Conductivity — Nonmetallic Solids	1302	4627	1037	812
Volume 3: Thermal Conductivity — Nonmetallic Liquids and Gases	707	1505	1406	170
Volume 4: Specific Heat – Metallic Elements and Alloys	830	1186	789	322
Volume 5: Specific Heat – Nonmetallic Solids	1737	1009	518	550
Volume 6: Specific Heat — Nonmetallic Liquids and Gases	383	863	665	56
Volume 6 Supplement	169	726	878	307
Volume 7: Thermal Radiative Properties - Metallic Elements and Alloys	1644	5130	520	242
Volume 8: Thermal Radiative Properties Nonmetallic Solids	1890	4971	576	782
Volume 9: Thermal Radiative Properties Coatings	1569	5269	475	1161
Volume 10: Thermal Diffusivity	760	1733	568	445
Volume 11: Viscosity	801	1803	1595	188
Volume 12: Thermal Expansion - Metallic Elements and Alloys	1440	4253	872	672
Volume 13: Thermal Expansion - Nonmetallic Solids	1786	4990	1213	815
Totals	16,613	43,604	12,258	

14 volumes will add considerably to the ease of using these volumes as well as serve an integrating function.

In the preparation of the Master Index, the Editors had to reconcile what at first seemed to be certain inconsistencies among the index entries of individual volumes. In actuality, what seem to be editorial inconsistencies are the result of improvements in styling and in naming and grouping of materials that were introduced over the period of 1970 to 1977, when these fourteen volumes were published. Therefore, certain guidelines had to be adopted in the naming, styling, and alphabetization of this Master Index. These guidelines are summarized on the following pages.

It is hoped that no serious errors exist in this Master Index. Even though great care was exercised in its preparation, together with an attempt to insure consistency and appropriate cross indexing, it is possible that certain oversights may have occurred. Therefore, it is always advisable to look for materials under more than a single name entry whenever any ambiguity in naming exists.

As it is evident from the composition of the book, the index was prepared and formatted by a special text formatting computer program. This effort was the contribution of Dr. H. H. Li of the CINDAS staff, which the Editors wish to acknowledge.

Guidelines to Indexing and Alphabetization

1. General Rules for Alphabetization

- a. Material names are arranged alphabetically and in increasing numerical order when relevant. However, hyphenated alphanumeric prefixes (e.g., n-, p-, o-, iso-, 2-, etc.) as well as Greek characters and notations such as +, -, or / used in names or in the styling of entries are ignored for alphabetization purposes. Whenever appropriate, prefixes to chemical name listings are given in italics.
- b. Abbreviations or acronyms are written with no punctuation or spacing between letters and are considered as words for purposes of alphabetization (e.g., AISI, ASTM, SAE, etc.).
- c. In alphabetizing a material with one or more modifier(s), the material name is separated from the modifier by a comma. Entries for the material without any modifier(s) are listed first, followed by entries for the same material name alphabetized according to the first modifier word. In the case of metals, when a national designation appears, this modifier is listed immediately after the material name.
- d. No entries are listed under modifier or descriptor terms as lead words. The same holds for trade names in general except for those few which have crept into common usage (e.g., Teflon, Freon; also R numbers for refrigerants, etc.). Modifiers always follow the specific material names or the generic or material class names to which they are attached. Examples are:

Aluminum oxide, Coors AD99
Iron, cast
Iron, gray
Marble. black
Marble. powder
Steel, carbon
Steel, stainless
Paint, white
etc.

e. In listing mixtures of solids or fluids, the constituent substances are ordered alphabetically. Cermets are an exception to this rule, the oxide or the compound always being listed first.

2. Listing of Inorganic Compounds

- a. The convention of distinguishing a complex oxide from a salt is based on the criterion that the former designation is used when the electropositive element in the anion is a metal (e.g., calcium tungsten oxide, CaO·WO₃, is the correct naming rather than calcium tungstate, CaWO₄).
- b. In the case of inorganic compounds, some constituent elements have multiple valence states. As a consequence, for a given pair of elements, two or more compounds are formed according to their valences. For example, the following chemical combinations of Cr and Si occur:

Chromium monosilicide CrSi
Chromium disilicide CrSi₂
Trichromium silicide Cr₃Si₂
Trichromium disilicide Cr₃Si₂
Pentachromium trisilicide Cr₅Si₃
Hexachromium silicide Cr₆Si

In such a case the entry "chromium silicides" is used as a lead entry and the compounds within the group are listed by their chemical formula only, following the lead entry, i.e.,

Chromium silicides:

CrSi
CrSi₂
Cr₃Si
Cr₃Si₂
Cr₅Si₃
Cr₆Si

3. Alloys and Steels

Alloys are listed in one or more of the following forms:

a. By the name of the predominant alloying element as the name of the alloy, followed by a listing of different combinations of constituents. Only the two major constituents are listed: i.e., $A + B + \Sigma Xi$. The notation ΣXi indicates the presence of additional lesser constituents. Binary alloys are listed first, followed

by multiple alloys. Examples are:

Aluminum alloys: Nickel alloys: Al + Co Ni + Al Al + Cu + ΣXi Ni + Cr Al + Fe $Ni + Cr + \Sigma Xi$ Al + Fe + ΣXi $Ni + Fe + \Sigma Xi$

> Titanium alloys: Ti + Al $Ti + Al + \Sigma Xi$

Together with each of the above entries one or more alloy designations may appear with modifiers such as: country of origin, alloy number, trade name, work or heat treatment, etc.

b. Under AISI, ASTM, and SAE designations, e.g.,

AISI 310, stainless steel ASTM B265-58T, titanium alloy

In the above two cases the entries are also listed as

Steel, stainless, AISI 310

and

The state of the s

Titanium alloy, ASTM B265-58T

c. Alloys are also cross-referenced under the entry "Steel" or "Steel, stainless" for each alloy separately listed under specific designations such as AISI, ASTM, SAE, or by common trade name.

From the above, it is evident that it is often advisable to look for alloys under entries for alloys of the predominant constituent as well as under AISI, ASTM, or SAE designations and under the word "Steel." Well recognized special alloys are also cross-listed individually under their trade names (e.g., Alumel, Chromel, etc.).

- 4. Designation of Mixtures (Solid and Fluid), Cermets, and Intermetallic Compounds
- a. Mixtures of solids of A+B+C+... are separated by a plus (+) sign and are ordered alphabetically by the constituents' names. Binary mixtures are listed first. followed by mixtures of increasing numbers of constituents. The word "mixture" appears at the end of the entry, preceded by a comma.
- b. Cermets are listed both under the name of the oxide or the elemental compound as well as under the general entry "Cermets." A plus (+) sign is used in the ordering of the constituents, with the oxide or compound always listed first. The word "cermet" appears at the end of the entry, preceded by a comma.
- c. Intermetallic compounds are listed both under their conventional chemical name followed by the words

- "Intermetallic Compound" as well as under the general heading of "Intermetallic Compounds." The constituents are separated by a dash (--).
- d. Fluid mixtures of A-B-C-... are ordered in alphabetical order of their constituents, which are separated by a dash (-). The word "mixture" appears at the end of the entry. Binary mixtures are listed first, followed by mixtures of increasing numbers of constituents.
- 5. Grouping of Common Materials: Bricks, Cements, Ceramics, Composites, Concretes, Enamels, Glasses, Graphites, Oxide Mixtures, Porcelains, Refractories, Rubbers, and Polymers
- a. Mixtures of oxides which are recognized as ceramics, enamels, glasses, porcelains, or refractories are listed under one of these lead names, followed by appropriate qualifiers. However, in the absence of uniform practice in the naming of such oxide mixtures, it is advisable to look under more than one name as well as under the listing of a given oxide or oxide mixture.
- b. Concretes, graphites, and composites are also general grouping designations used as lead words to bring like materials together. These words are followed by a simple description of their components or appropriate modifiers.

6. Binders, Coatings, and Paints

These three terms are difficult to distinguish in practice in the search for materials data. They are all coatings which can be classified as pigmented coatings, contact coatings, and conversion coatings. For purposes of this index all coatings are listed under the lead words binder, coating, or paint in one of the following styles. Examples are:

Binder, 3M Kel-F 800 with zinc oxide pigment

Binder, 3M Kel-F 800 pigmented with: Aluminum oxide

Sodium sulfate + Titanium oxide

Magnesium oxide

Titanium oxide

Zinc oxide

etc.

Coating, Acrylic on Aluminum substrate

Coating, Acrylic on:

Ceramic substrate Epoxy substrate

Glass substrate

Polyurethane substrate

Stainless steel substrate

etc.

Paint, white velvet 3M

or

Paints, Fuller: D-70-6342 Flat black decoret Flat black silicone Harvard Gray No. 2946 etc. It is indeed hoped that this Master Index volume to the TPRC Data Series on thermophysical properties of materials will prove helpful in many ways to all seekers for numerical data by serving as a master key to a vast collection of mostly evaluated data.



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Al + Cu + ΣΧ4, German Y alloy	'	896 898	l	-		' -		-		-		. -	Ì	-		· -		_
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Al + Cu + ΣXέ, Japanese M-1	١,	899	Į	-		į -	ļ	! -]	-	1	<u>.</u> -		i -				. -
Al + Cu + ΣX4, K. S. special alloy	١ ا	902		-		-		: -		-		-		-		-		-
Al + Cu + EX4, L72		-		-		-	7	1084	7	1087		-	ĺ	-	1	-	ĺ	-
Al + Cu + ΣX4, Nelson-kBbenleg 10	1	896		-	1	<u>-</u>	Ì	-		-		-	1	j _	{	_		_
A1 + Cu + XX6, RR 53	1	901		-	{	-		: -		-		-		-		: -	ŀ	-
A1 + Cu + ΣX4, RR 59	1	898		-		j -	ļ	-		-]	-]	-		· -		-
Al + Cu + ΣΧέ, Y-alloy	1	896 898		-		· 		-		-	1	-		: -		-	12	1011

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Substance Name	Coi	nduc- vity		et		is- vity		flec-				ens-	DH	ffu-	* i i			pan-
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Numinum alloys: (continued)													Γ					
A) + Fe + ΣΧ6	1	905		-		-	7	1090 1094		-		-	10	273		-	12	1027
A1 + Fe + ΣΧέ, A1 1060	- 1	_		_	Ì	-		-	l	-		-		-		-	12	
A) + Fe + ΣΧέ, A) 1075	-	-		-		-	7	28		-		[]] _		-		-		-
A1 + Fe + ΣΧέ, A1 1100	1	906 920		-	7	10 16		-		_		: _ !		-		-	12	64
Al + Fe + ΣΧέ, Alclad 2024, anodized		-		-		-	9	1244 1252		_		-		-		-		-
Al + Fe + ΣXi, Alcoa 2S	1	906 920		-		-		-		-		_		-		-	12	64
Al + Fe + ΣΧέ, anodized)	-	i	-		-	9	1243 1251 1252	9	1253		-	<u> </u>	_		-		-
Al + Fe + ΣX¢, cond-Al	1	906		-		-		-		-		_				 -		-
A1 + Fe + ΣΧ4, L-34		-		-		-	7	1092 1095	}	-		-		-		 -		-
Al + Fe + ΣX4, L-34, anodized		<u> </u>		_		-	9	1252	9	1253		i - '		_		_		_
Al + Fe + ΣΧέ, J51	,	906		-		-		-		-		-		-		-		-
A1 + Mg + ΣΧέ	1	908		-	7	1098	7	1105	7	1110		-	10	276		-	12	102
A1 + Mg + ΣΧέ, A1 5052	1	478 909		-		-		-		-		-		-		_	12	102 103
A1 + Mg + ΣΧέ, A1 5053-3	- {	-		-	7	1101		-	}	-		-		_		-	}	-
A1 + Mg + ΣΧ4, A1 5083	1	909) ,	-		-		-		-	İ	-		-	İ,	-	12	102
Al + Mg + ΣΧέ, Al 5086	1	909		-	•	-		-	ļ	-		-		-		-		-
Al + Mg + ΣX4, Al 5154	1	478 909		-	ļ	-		-		-		-		-		-		-
Al + Mg + ΣXi, Al 5456	1	909		-		-		-		-		-		-		-	12	102 103
A1 + Mg + ΣΧέ, A1 6053		-		-		-		-		-		-			,	-	12	
A1 + Mg + ΣΧέ, A1 6061		_		_	7	1098	7	1106	7	1110		-			} 	ļ -	12	102
A1 + Mg + ΣΧέ, A1 6063	1	909		_		-		-		-		-		-		<u>-</u>		-
A1 + Mg + ΣΧέ, A1coa 52S	١,	478 909	}	-		-		-		-		-		-		-		-
A1 + Mg + ΣΧ4, A1coa 53\$ 0		_		_	7	1101		_		-				-		-		-
Al + Mg + ΣXL, Alcoa 615		-		-		- '		-		- !		-		_		-	12	103
Al + Mg + ΣXέ, Alcom 63S	- 1	909		-	İ	-		-		· -		-		-		-		-
A1 + Mg + Σ X4, anodized	}	-		-		-	9	1254 1255		-		-		-		-		-
Al + Mg + ΣΧ4, K186	,	909		-		-		-		-		-		-		-		! -
A1 + Mg + ΣΧέ, LK183	1	909		-		-		-		-		-		-		-		-
Al + Mg + XX6, RR 131D	1	909		-		-		-		-		-		-		-		-
A1 + Mn + ΣΧ¢	}	-		-	}	-		-	1	-		-		-		-	12	103
A1 + Mn + EX4, A1 3003	1	912		-		-		-	ĺ	-		-		-		-	12 13	103

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Aluminum alloys: (continued)	T																	
Al + Mn + Ex4, Al 3004	١,	912		_		_		_		-		-		_		_		_
A) + Mn + $\Sigma X \hat{\epsilon}$, Alcoa 3S	1,	912	1	-		[_		_		-		-	1] _		_	12	1034
All a sum a Exc provided 55	1	-		((1		1	-	1	l			1036
Al + Mn + ΣΧέ, Alcom 4S	\ 1	912		-		-		-		-	ļ	-	{	-	l	-		-
AI + NI + EXE	1	914		-		-		-		-		-	}	~		-		1038
A1 + NI + ΣXi, RAE 40C	1'	915	-	-	l	-		-		-	ļ	-	ļ	-		-		1040
A) + Ni + ΣΧέ, RAE 47B	1	915	1	-	1	-	l	~ 	l	-		-	ĺ	-	Į	<i>-</i>		1040
A1 + N1 + ΣΧέ, RAE 47D	1.	915	ł	_	1	_		-	(_	l	_	1	_	ļ	_	1	1040
AI + Ni + ΣXi, RAE 55	!	915	ĺ	_	1	- -		_		_		_	10		ļ	_		1040
A1 + S1 + ΣX4		917		_		_		_		_			("		(_	֓֞֞֞֜֞֜֞֜֞֜֜֞֜֜֜֡֓֓֓֡֜֜֡֡	, , , , , ,
A1 + S1 + Σχέ, A1 132	'	319		_		_		_		-		_	-			_	12	1044
A1 + Si + ΣΧ4, A1 356 A1 + Si + ΣΧ4, A1 4032	ł	_	1	-	1	_	1	_	l	-		_	(_	ĺ	_	[1042
AT 7 ST 7 ZAT, AT 4032	1	{	}	l	l		l		l	!			l		l			1044
A1 + S1 + ΣΧέ, A1 6151	i	-	l	-	1	-		-	{	-		-	(-	l	-	12	1042
Al + Si + ΣΧέ, Alpax gamma	1,	918		-	l	{ _ '		_	1	-	l	-		 		-	12	1046
A1 + S1 + Σχέ, K. S. alloy 245	1	920	1	-		- '	1	_	{	[-	ĺ	<u> </u>		-	1	<u> </u>	[-
A1 + S1 + ΣΧέ, K. S. atloy 280	١,	920		-				-	ĺ	-		-	ſ	[_ '	ĺ	_		-
A1 + S1 + ΣΧέ, Lo-ex	1	919	1	-		-		-		-		-	1	-	İ	-	12	1046
A1 + S1 + ΣΧέ, RR 50	1	918		-		-		-		-		l -	Ì	-		-	12	1046
		919	}	}		Ì		}]	l			}	<u> </u>	}			
A1 + S1 + ΣΧ4, RR 53C	1	918	l	-	}	- '	Ì	-		-		-	1	-	Ì	-	12	1046
A1 + S1 + ΣΧέ, SA1	1]		1	-		-		-		-	1	-		-	12	1046
		919	ļ	_	}	_		_		<u> </u>		_	Ì		l	_	, ,	1046
A1 + S1 + ΣΧψ, SA14	\ ,	918	1	_		! - '		_		-		Ī_]	[1		,	-
A1 + S1 + ΣΧέ, SA44	} '	919	}	_	1		}	. – !	}				}		}	Í		
A1 + S1 + ΣΧέ, Tens-50	1	-	1	-	}	-	}	-		-	}	-)			-	12	1044
A1 + Si + $\Sigma X \hat{\epsilon}$, γ -Silumin modified	1	920	İ	-	1	: -	1	-	}	-		-		-	1	<u> </u>		-
Al + Zn + ΣXi	1	922	4	514	7	1116		1128	7	1131		-	10	234		' -	12	1051
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A1 + Zn + ΣX4, A1 7039	1	-	1	_		_		-		1 -		_	}	-		-		1051
A	1	}	ļ	i I		i	1	1		1		:	}			i		1053
A1 + Zn + ΣΧέ, A1 7075	1	923	14	514	7	1122		; -		-		' -	1	-		!	12	1051 1053
Ai + Zn + ΣΧ4, Al 7075, enodized	1	_		-	9	1 256	9	1 258	}	-		-	1	-	}	-	•	-
A1 + Zn + XX4, A1 7075-T	1	<u> </u>		: -	7	1119	7	1129	7	1132	}	-	1	-	}	-	1	-
A1 + 2n + Σχέ, A1 7075-T6	1	-	1	-	7	1126				-		-	1	-	1	-	12	1053
A1 + Zn + EX4, A1 7075-T73	1	<u> </u>	1	-	1)	\ -	}	. -	}	-	1	-	}	-	12	1053
Al + Zn + Σχέ, Al 7079	1	<u>-</u>		<u> </u>	}	-]			-	}	!		<u>-</u>	}	-	12	1051
Al + Zn + Σχ4, Al 7079-T6		<u> </u>		<u> </u>	1	-	1	-		<u>-</u>	}	-		-	1	-	12	1053
A1 + Zn + Σχέ, Alctad 755 T	-	-		-	7	1116		1129	1	<u> </u> -	}	1 -	1	-	}	_	1	-
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Aluminum alloys: (continued)																		
Al + Zn + ΣXi, Alclad 7075T		-		_	7	1116		1129		-		-		-		-		-
Al + Zn + EX6, Alcom 755	١,	923	4	514		1119		_		_	ł	_		_		_	12	1051
·	ļ '																	1053
Al + Zn + ΣX€, Alcom 75S T	ŀ	-		-	7	1119	7	1129	7	1132		-		-		-		-
A1 + Zn + ΣXi, Alcom 75S T6	ł	-		-		-		_	ŀ	-	1	_	ļ	-		-	12	1053
Al + Zn + ΣXi, anodized		-		-	9	1256	9	1258	ŀ	-	1	-				-		-
Al + Zn + ΣXi, British, L-5	!	923		-		-	l	-	ł	-		-		-	ł	-		-
A1 + Zr + ΣXi, L5	1	-		-	l	l -	i	-	Ì	-	1	-	1	i -		-		1053
A1 + Zn + ΣΧέ, RR 77	1	923		-		-	ĺ	-	l	- '	ĺ	! -		-		-	12	1053
Al + Fe + Si + ΣΧέ, Al 1075, anodized		-	}	-		 	Э	1243				-		-		-		-
Al + Fe + Si + ΣXť, Al 1145, anodized		-		_		-	9	1251	9	1253		j -		_		-		_ !
Aluminum entimonide, AlSb		-	5	297		-	8	1352	ĺ	-		-		-	ĺ	-		-
Aluminum-antimony intermetailic compound, AlSb	ł	_		_		_		-		_		_		_		-	12	414
Aluminum boride, AlB ₁₂		i –		_	8	732		- '		- '		_		-		-		-
Atuminum borosilicate complex, natural	2	855		_		_		-	1	-		-		- 1		-		-
Aluminum carbide + ΣΧι, mixture		-	5	395		-		-	ŀ	-		-		-		-		-
Aluminum-copper intermetallic compounds:																		
AlCu		-		-		-		-		_				-		-	12	417 419
A1Cu ₂		-		-	}	-		-		-		-	}	-			12	
AlCu		_		_	ĺ	-	ļ	-		-		-		-		-	12	417
Al ₂ Cu		-		_		_		_		_		-		_		_	12	422
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7,100																		421
Aluminum fluosilicate, 2AIFO·SiQ ₂ , Brazil topaz	2	251		-	ŀ	-		-		- !		-		-		-		-
Aluminum foli		-		-	7	5 6 9	7	26 27 40	7	43 50 55	7	60		-		-		-
Aluminum foll, Reynolds wrap	İ	-	Í	-		-	7	40	7	55		-	l	-		-		-
Aluminum-gold intermetallic compound, Al ₂ Au		-		_		_		_		-		_		_		-	12	423
Aluminum~iron intermetallic compounds:			1		ł		ł		•									
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Substance Name	Co	nduc- vity		eet		is- vity		flec-		sorp-		ens-	DI	erme) ffu- vity	• 1	eco- ty	Exp	erme! pen
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Aluminum-Iron intermetallic compounds: (continued)							Γ				Γ		Г					
Al ₈ Fe ₂	1	-		-		-		-		-		-		 -		-	12	426 429
Aluminum-nickel intermetallic compounds:																		430
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Aluminum nitride, AlN	2	653	5	1075	8	1030 1031 1033	8	1035		-		-		-		-	13	1127
Aluminum oxides:										i 								
Al ₂ O ₉		-	5	26	8	141 142 146 148	8	157 163	8	166 168	8	169	10	376		-	13	176
Al ₂ O ₉ , powder	2	1040	ĺ	-		_ :		-	İ	-		-		-		-		-
AP-30	2	99	ĺ	-		-		-	Ì	-		-		-		-		-
AV-30	2	102		-		-		-		-		-		-		-		-
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Coors AD85	-	-	ł		8	150	1	-		-	8	172		-		-]	-
Coors AD94	Į	-		-	8	150		-		-	8	172		-		-		-
Coors AD96		-		-	8	150		-		-	8	172		-		-		-
Coors AD99		-		-	8	144 147 150		-		-	8	172		-		-		-
Coors AD995	1	-		-	8	150		-		-		-	,	_		-		-
Coors BD96	-	-		-	6	206		-		_	8	214		-		-	Ì	_
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McDanel AP 35		-		-	8	151		- 1		- [8	172	 	- [!	_		-
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Substance Name	Co	ermel nduc- vity		scif.		is- vity		ilec-		sorp- vity		ens- ssiv.	Ðί	ermel ffu- vity	Vi:	sco- ty		erme1 pen- pn
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Aluminum oxide + aluminum, cermet		-		-		-		-		-		-		-		-	13	1306
Aluminum oxide + aluminum silicate, mixture	2	321		-		! ! -	}	_		-		! -		-		_		-
Aluminum oxide + chromfum, cermet	2	707	}	_	1	-	l	-		-		-	}	-		-		-
Aluminum oxide + chromium + ΣXi, cermet	1	- ,		-	8	1 355	ļ	-		-		 -		-	}	-	13	1 309
Aluminum oxide + chromium oxide, mixture	2	324		-		- ,		-		_	}	-		! -		-		-
Aluminum oxide + chromium oxide powder	}	-		-	8	554		-		-		<u> </u>	}	· -		-		-
Aluminum oxide + magnesium oxide, mixture	1	-		-	ļ	-		-		-		-	10	429		-		-
Aluminum oxide + manganese oxide, mixture	2	327 397		-		-		-		-		-		-		. -		-
Aluminum oxide + molybdenum, cermet	1	-		-		-	1	-		-		-	10	566	1	-		-
Aluminum oxide + nickel aluminum alloy, cermet		; -	İ	 -	8	1358 1359	8	1363		-		_		-		-		-
Aluminum oxide + nickel oxide powder		: -		_	8	1		_		_	1	_	ĺ	-		_		_
Aluminum oxide + silicon dioxide, mixture	2	328 402		-		-		: : -		-		-	10	426		† -		- '
Aluminum oxide + silicon dioxide + ΣΧέ, mixture	2	!	5	1546		. –		-		-		-		-		-		-
Aluminum oxide + silicon oxide powder, mixture] -		. <u>-</u>	8	558	8	560	ł	-		-	10	431		-		-
Aluminum oxide + titanium dioxide + $\Sigma X i$, mixture	2	456		-		-		. -		_		-		-		-		-
Aluminum oxide + tungsten + ΣXi , cermet	1	-		ı -	В	1375		<u>-</u>	,	-]	-	}	-		-		-
Aluminum oxide + zirconium dioxide, mixture	2	331 441		-	}	-	}	-		-		-		-		-		-
Aluminum + oxygen, mixture		-		! <u>-</u>	l	-		-		_		-	10	225		_		-
Aluminum phosphate, AlPO ₄		-	ĺ	-	l	-	8	602		¦ -		-	l	-		-	13	689
Aluminum phosphide, AlP	1	-	5	517	Ì	<u>'</u> -		-		<u>-</u>	Ì	-	Ì	-		-		-
Aluminum silicate + aluminum oxide, mixture	2	1090		-		-		-		! -		-		-		; -		_
Aluminum silicates:]	-		-		-	8	618		-		-	1	-		-		-
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Al _e Sl ₂ O ₁₉	2	254	5	1292	ĺ	-	l	-	l	-	1	-	10	412		-	13	703
Aluminum-silver intermetallic compound, AlAg ₂		-		-		-		-		-		-		-		-	12	444
Aluminum sulfates:																		
Al ₂ (SO ₄) ₈		-	5	1161		-		-		-	l	-		-		-		-
A1 ₂ (SO ₄) ₃ ·6H ₂ O		-	5	1164	1	-		-		j -		-		-		-		-
Aluminum + tantalum aluminide powder	1	-		-		-	8	1431	1	-	(-		-	1	-		-
Aluminum titanium oxide, Al ₂ O ₈ ·TiO ₂	1	-	5	1298	1	-		-	1	-	1	-	1	-		-	12	548
Aluminum trifluoride, AlF _e	1	-	5	915		-		-	1	-	1	-		-	l	-	1	-
Aluminum tungsten oxide, 2Al ₂ O ₂ ·5WO ₂	1	-	1	} ~	1	-	ł	-	{	-	1	-	ł	-	}	-	13	576

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Substance Name	Co	ermal nduc-		ecif. est		is-		lec-				ns-	Dit	ermal ffu-	Vis sit	ty	Exp	ermal en-
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Aluminum-uranium intermetallic	+				1			_	-						Н			
compound, AlaU		45.6		-		-		-		-		-		-		-	12	447
Alundum	2	}		-		-		-		-		-		-		_		- }
Amalgam	1	216	ľ	-	ł	-		-	}	_		-		-		_		_
Amber, glass	2	924	l	· .		- !		_	Ì] _		_				_	l i	_
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1-Amino-2-nitrobanzene	1	_	6s	69	١ .	-		_		_		_		-		_		
1-Amino-3-nitrobenzene	}	_	6s	69	1]		_	Į			_	[_		
1-Amino-4-nitrobenzene	1	1	6s	ł	l			l	1		}	_				_		
2-Aminopropane	1.	-	6s	57		-		-	1	_		_		_	,,	-		_
Ammonia, NH _a	3	1	1	61		-		_	1	_		_		_	[''	68		_
Ammonia, trideuterated	1	-	6s	}	ł] -					1,]		_
Ammonia-argon, mixture		-	ļ	_		-	1	_	1] _		_	l	_	'	342		_
Ammonia-carbon monoxide, mixture	3	444	}] _		_		_	}	_		_	1		 	_	13	968
Ammonia chloride, NH ₄ Cl	,		}					_			l	_	l	-	,,	514	, 3	-
Ammonia-ethylene, mixture	3	1	l	ĺ		_		_	İ			_		_	,,	516		_
Ammon a-hydrogen, mixture	3		ļ	-		_		_		-)	_		316		_
Ammonia-hydrogen-nitrogen, mixture	3	l	ŀ	-			}	_			1	_	ŀ	_		,		_
Ammonia-methane, mixture	j] -		1		1		ĺ	Ì				ł	ł	77	526 540		_
Ammonia-methylamine, mixture	1	-	ļ	[-			Į	_	•	-	1	-	["	540	13	671
Ammonia nitrate, NH ₄ NO ₃	1.	-	ł	-	1	_	}	-	ļ	_		_	1	_	11	531	13	-
Ammonia-nitrogen, mixture	3	451		_			Ì	_	ł] _				_	1,	534		_
Ammonia-nitrous oxide, mixture				_	1	_		_	1				ĺ		,,	538		_
Ammonia-oxygen, mixture	1	-		-		-		_		-		_		-		536		
Ammonium aluminum sulfates:	1	_		1170		_		_	ļ			_	ł	_		_		_
NH ₄ A1(SO ₄) ₂] [1173	ļ.			_	}							_		_
NH4A1 (SQ4) 2-12H2O	1],,,,	1		ł	_	ì		8	604	ł	_		} _ }	13	616
Ammonium dihydrogen arsenate, NH ₄ H ₂ AsO ₄	2	{					1	_	Ì	_	"	_	ł			łi	13	ł
Ammonium dihydrogen phosphate, NH ₄ H ₂ PO ₄	1 2	J	•	_		-	1			_	1	_	1	-	1	_	'	-
Ammonium hydrogen sulfate, NH ₄ HSO ₄	2	ł	ł	_		-	1	_	ŀ	_		_		-	1			
Ammonium perchiorate, NH _a ClO ₄	1		1	1167		_	1	_	ł			_	l	-		_		_
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8-Amylene	İ		6:	[1	_				_		_	ł	_		_		_
Amylene hydrate	1	_	ਁ	_ "	Į	1_		464		_	[1	_			13	1 1
Anatase	ㅗ		L	<u> </u>			ᆙ	704	1		<u> </u>					لستسا	لتنا	353

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Aniline	1	-	65	1	ł	-		-	1			-		-	ł	-	{ }	-
Aniline-benzyl acetate, mixture		-		-		-		-		-		-		-	11	543		-
Anorthite		-		_		-		-		-]	-		-		-	13	707
Anthracene	2	985	l	-	1	-	-	-		-	1	-		-	}	-		-
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Antimonic acid anyhdride	1	-	5	33	1	-	ļ	-		-	l	-		-	l	-		-
Antimony, Sb	1	10	4	6	ì	-	7	63		-	7	66	10	7		-	12	13
Antimony alloys:	ł				ł		Ì				Ì	ļ					}	
Liquid state, 46.8 percent Sb	1	-		-	j	-	j	-		-	ļ	-	10	284		-		-
Sb + A1	1	488	1	-	}	-	1	-	}	-	1	-		-		-	}	-
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Antimony-gallium intermetallic compound, SbGa		-		-		-	ļ	-		-		-	Ì	-		-	12	450
Antimony-indium intermetallic compound, Sbln		-		-		-		-		-		-		-		-	12	455
Antimony-lanthanum intermetallic compound, SbLa	}	-		-		-	ļ	-		-		-		-		-	12	460
Antimony oxides:	1		ŀ		1					1			l				1	'
Sb ₂ O ₃	1	j -	ļ	-		-	8	198	8	200	1	-	ł	-		-	ł	-
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Antimony oxide powder, KP	1	-	1	-	1	-	8	199	8	200		! -		i -	}	-		, - '
Antimony selenide + antimony telluride + bismuth telluride, mixture	1	1392		-		-		-		-		-		-		-		-
Antimony selenide + silver selenide + lead selenide, mixture	1	1379		-		-		-	l	-		-	10	480	,	-		-
Antimony sulfide, Sb ₂ S ₃	1	-	5	635	١	-		-	1	-	ļ	<u> </u>		-		-	1	-
Antimony sulfide + sulfur, mixture	1	-		-		-	ł	-	1	-	1	-	10	519	1	-	1	-
Antimony sulfur lodide, SbSI		-	5	489	3	-	•	-]	-		-		-		-	1	-
Antimony telluride, Sb ₂ Te ₃	۱ ا	1241		-	1	-	ŀ	-	}	-	i :	-		-		-	1	-
Antimony telluride + bismuth telluride, mixture	1	1 388		-		-		-		-	ļ	-		-		-		-
Antimony telluride + indium telluride, mixture	╽,	1386		-		-		-		-		-		-		-	}	-
Anydrite	}	-		-	1	-		-		-	6	630	ŀ	-		-		-
Apple sauce		-		-		-		-		-		-	10	622	?	-		-
Arcton 33		-	68	2	a	-		-		-		-		-		-	1	-
Argentum	1	340	4	20	3	-		-		-	1	-		-		-	}	-
Argon, Ar	3	3 1	e		ı	-		-		-		-		-	111	1	13	2
Argon-benzene, mixture	1 3	295	:	_		-		-		-		-		-		-		<u> </u>

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	_	/ity Page	J	Page	Η,	/I ty Page	_	Page	-	/I ty Page	w.	Page	v.	Page	v.	Page	sio V	Page
Argon-carbon dioxide, mixture	3	297	-	-			-	-	-	- age	 	-	۲	- age	1	285		-
Argon-carbon dioxide-hellum, mixture	Ĭ	_]	_		_		_		-		_		<u> </u>	,,	581		_
Argon-carbon dioxide-hellum-methane, mixture	ļ	_		-		_		_		_	•	! -		-	۱,	594		_
Argon-carbon dioxids-methans, mixture		_		_		_		_				_	ĺ	_	11	583		_
Argon-deuterium, mixture	3	299		_		_		_	ĺ	-		_		i -	1	_		_
Argon-deuterium-hydrogen-nitrogen, mixture	Э	507		-	:	_		_		-		-	l	! -		_		-
Argon-deuterium-hydrogen-xenon, mixture	3	510		<u> </u>		- 1		- 1		-		ļ _		<u> </u> -		_		-
Argon-deuterium-krypton, mixture	3	488		-		-		-		-		_			l	_		-
Argon-deuterium-krypton-xenon, mixture	3	506	}	-		-		-	}	} -		-		i J -		-	j	-
Argon-deuterium-neon, mixture	3	490		-		_		~		¦ -		_		-		_		_
Argon-dimethyl ether, mixture	з	454		-		_		_		_		-	ĺ	-		-	!	-
Angon-dimethyl ether-propane, mixture	3	499		- !		-		-		-	1	! -		-	ľ	-	:	-
Argon-hellum, mixture	3	251	1	-		-		-	1	-		! -			11	237		-
Argon-helium-krypton, mixture	3	481	ł	-		-		_		-		_		: _		-	!	-
Argon-helium-methane, mixture	ļ	_		-		-		~				_		٠ _	11	582		-
Argon-helium-neon, mixture		· -		ļ -]	_		-		-		_		-	11	580		-
Argon-helium-nitrogen, mixture	3	486		-		_		_		_		_			1	_		_
Argon-helium-xenon, mixture	3	479		_		_		-		-		-			ľ	-		_
Argon-hydrogen, mixture	3	301	l	-		-		-				_		-	11	289		-
Argon-hydrogen-krypton, mixture	3	. 4 96	ł	-		_ :		_			ł	-	}	-				-
Argon-hydrogen-krypton-xenon, mixture	3	505		: -		- ,		~	ļ	_		-		-		-		-
Argon-hydrogen-neon-nitrogen, mixture	3	509		-		~		_	<u>ן</u>	_	ļ			-		-		-
Argon-hydrogen-nitrogen, mixture	3	493		· _		-		-		· . -		; -			ĺ	-		-
Argon-hydrogen-nitrogen-oxygen,		ļ ! _		!									[
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Argon-krypton, mixture	3			-		-		-		_		. -	1	-	11	249		-
Argon-krypton-neon, mixture	3			-		_			! ,	-		-		-		-		-
Argon-krypton-neon-xenon, mixture	3					-		_]	· -		-		-		-		-
Argon-krypton-xenon, mixture] 3	483	}	-		~		-		-		-	}	-	i	-		-
Argon-methane, mixture	3	304		-		-		_	'	-		_				-		-
Argon-methane-oxygen, mixture	3			-		-		-	[· -		-		-		-		-
Argon-methanol, mixture	3		l			~		-		. -	1	-		-		_	;	- 1
Argon-neon, mixture	3			-		-		-			}	-	ł	-	11	251		- 1
Argon-nitrogen, mixture] 3	306		_		-		-		-				-	11	294		-
Argon-oxygen, mixture	3	311		-		•		-		-		: -		-		-		-
Argon-propane, mixture	3	316	}	-		-		-	ا	-		-	1	-	ٔ . ا	-		-
Argon-sulfur dioxide, mixture		-		-		-		-		-		-		-	11	348		- !
Argon-xenon, mixture	3	267		-		•		-		-		-		-	11	258		-
Armaion, normetallic laminate	2	1032	l	-		-		-		-		-	ł	-		-	!	-
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Armco Iron, oxidized	T	-		-	9	1297	9	1299		-		-		-		-		-
Aromatic polyamide	1	-	1	-	1	l -		-		-		-		-	ĺ	-	13	1393
Arsenic, As	1	15	4	9		-	8	3		-		-	10	9		-	13	7
Arsenic hydride	-	-	65	2		-		-		-		-		-		-		-
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Arsenic oxides:	1		}					{					Ì			}		
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Arsenic selenide, As ₂ Se ₃	1	-	ł	-		-	8	1130		-	8	1133	1	-		-	13	1192
Arsenic sulfides:	- [Ì		(1		j			1	-
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Arsenic telluride, As ₂ Te ₂	1	1244		-		-	1	-		-	1	-		-		-		-
Arsenic trideuteride, AsD _s	- 1	-	65	2		-	}	-		-		-		-		-	}	-
Arsenic triiodide, Asī _s	1	-	5	488	}	-		-		-		1 -		-		-	1	-
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Asbestos cement board	2	1107		-		-		-		-		-	10	568		-	•	-
Asbestos fiber	2	1135		i -		-		-		-		<u> </u>		-		-		-
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Ashes + dolomite + quartz sand, mixture	1	-	ĺ	-	1	-		-		-		-	10	433		-		-
ASTM B80 HZ-32A, magnesium alloy	-	-		-		-		-		-		-		-		! -	12	1206
ASTM B80 ZH-62A, magnesium alloy	1	-	1	-		-		-	}	-		-		-		-	12	1213
ASTM B90 HM-21A, magnesium alloy	- [-		-		-		-		-	{	-		-	-	-	12	1212
ASTM B265-58T, grade 3 and 4, titanium alloy		-	4	257	}	-		-		-		-		_		-		-
ASTM B265-58T, grade 6, titanium alloy	1	1074		-		-		-		-		- :	ł	-		-		-
ASTM B265-58T, grade 7, titanium alloy	- } •	850		-		-		-		-		-		-		-		-
ASTM B301-58T, copper alloy	1	582		-		-		-		-		-] -		-		-
Astrolite, nonmetallic laminate	2	1029 1030 1052	l	-		-		_		-		-		 		-		-
Aurum	١,	}	1	83		-		-		-		-		-		-		-
Azurite, carbonate minera!	1	-		-		-	1	-		-	8	1658		-	1	-		-
Baddeleytte		-		-		-		-	1	-		-		-		-	13	454
Bakelite		-		-	•	-	8	1742	8	1744	8	1746		-	l	-	13	151
Balsa) 2	1060		-		-]	-		-	1	-		-		-		-
Balsa, hand pseudo	2	972 981		-		-		-		-	ĺ	- :		-		-		- 1
Balse, waterproofed	2	1060		-		-		-		-		-		-		-		-
Balsa, x-ray protective pseudo	2	981		-		-		-	1	-	[-		-	Ì	-		- }
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Substance Name	Co	ermel nduc- vity		ecif. eat		ls- vity		flec-		orp-		ans-	DII	ermal Ffu- /ity		sco- ty		ermai Dan- Dn
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Berlum, Ba	Γ	-	4	13		-	7	68		-		-	10	10	Γ	ļ <u>-</u>	12	21
Barium aluminum silicate, BaAl ₂ Si ₂ O ₈	ł	-	Ì	-		-		-		-	Į	-	1	-		-	13	727
Barium boride, BaB ₄	ļ	-	l	-	8	732		-		-	ļ	-		-		-		-
Barium calcium tungsten oxide, 28a0·CaO·WO;		-		-		-		_		-		-	İ	-		-	13	577
Barium carbonate, BaCO _s	ĺ	-	5	1109	ĺ	-	8	592	1	-		-		-	ĺ	-		- !
Barium chlorides:]	i		1		1					ļ	İ]			ļ		
BaCl ₂	ł	-	5	785		-	İ	-		-	1	-	1	-		1 -		-
BaC1 2 - 2H20	(-	5	788	ĺ	-		-		-	ľ	-	(-		<u> </u>	!	-
Barium fluoride, BaF ₂	2	627	5	918	1	i - ,	8	909		-	8	912	1	-		<u> </u>	13	1021
Barium fluoride + calcium fluoride	}	-	ļ	: -	ļ	-		-		-		-	} :	-		<u>-</u>	13:	1074
Barium oxide + silicon oxide + ΣXi , mixture	2	495		: -		-		-		-	l	-	10	435				-
Barium-lead intermetallic compound, Ba ₂ Pb	1	1245		-		_		_		-		-		-		· -		-
Barium metatitanate + calcium metatitanate	2	340		. -		-		-		-		-		-		. -		~
Barium metatitanate + magnesium zirconate, mixture	2	343				-		-		-		-		-		-		-
Barium metatitanate + manganese niobate, mixture	2	344		<u>-</u>				-		-		-		-		· _		-
Barium nitrate, Ba(NO ₂) ₂		-	5	1139		- '		-		-		-	ĺ	-		-	13	671
Barium oxide, BaO	2	120		. -	1	- ,	8	546		-	ŀ	-	!	-			13	194
Barium oxide + silicon dioxide + $\Sigma X \hat{\epsilon}$, mixture	2	457		-				-		-		. -		-		· _		
Barium oxide + strontium oxide, mixture	2	3 37		-		-		-		-		-	1	-		-		~
Barium oxide + strontlum oxide + ΣXi , mixture	2	460		-		-		-		-		-		-		-		-
Barium phosphate, Ba₂P₂O₅		-		_		-	8	608		-		-		-		-	1	-
Barium silicates:															ŀ			
BaS10 _a		_ '	5	1301		-		-		-	ļ	-		-		-		-
BaSi ₂ O ₈		-	5	1307		-		-		-		-	l	-		-		~
Ba ₂ SiO ₄	ĺ	-	5	1 304		-		-		-		-	1	-		-		^
Ba ₂ Si ₃ O ₈		-	5	1310		-		-		-		-		-				_
Barium silicide, BaSI ₂		-		-		-		-		-	Ì	-		-		-	13	1211
Barium stannide, Ba ₂ Sn		1245		-		· -		-		-	ļ	-	}			-	ļ	
Barium strontium fluoride		-		-		-	8	992		-		-		-		-		`
Barium strontium tungsten oxide, 2BaO·SrO:WO _a		-		-		-		-		-		-		-		-	13	\$78
Barium sulfate, BaSO ₄		-	5	1176		-	8	623	8	627		-	10	413		-		-
Barium sulfate + zinc sulfide + zinc oxide, mixture		-		-	ļ	-		-		-		-	10	520		-		-
Barium sulfide, BaS		-	5	644		: -		-		-		-		-		-	13	1239
Barium-tin intermetallic compound, Ba ₂ Sn	,	1246		. -				-		-		-		-		-	ı	-
Barium tin oxide, BaO·SnO ₂	1	-	ľ	-	1	: - {	l	-		-	1	-		-	l	-	13	547
Barlum titanium oxides:						.												
BeO·TiO ₂	2	257	5	1313			8	636		-	8	642		- [-	13	554
BaO-2T 0 ₂	2	260	L		L	}		-		_	L	-	} .	-		- 1	13	562

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Substance Name	Co	ermel nduc- vity		ecif.		ils~ vity		lec-		orp-			DII	ermai ifu- vity	81	sco- ty		ermel Sen- Sn
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Barium titanium oxides: (continued)																		
Be0-3T10 ₂	[-	1	-	1	-		-	ĺ	-		-	İ	-		-	13	562
BaO·4TIO ₂	- [-		-		-		-		-	ļ	-	l	j -	1	-	13	560
28a0.TIO ₂		-	5	1316	1	-		-		-	1	-		-		-	li	i -
Barium tungsten oxida, BaO·WO _s	- 1	-		-		-	8	666		-	1	-	ľ	-		-	1	į -
Barłum uranium oxide, BaO-UO _a	ĺ	-	5	1319		-		-	1	-	İ	-		-		-		-
Barium zirconium oxida, BaO·ZrO _g		-	5	1322		-	8	676	1	-	Ì	-		-	ł	-	13	601
Barium zirconium silicate, BaZrSiO _s	- [-		-		-		i –	8	616	į	ļ -		-	1	-		-
Barytes concrete	2	871	•	-		-		-	1	-	ļ	-	l	-	ł	ļ -		-
Basalt	2	797		-	1	-	8	1680		-	İ	i -	l	-		-		j -
Basait + dolomite	1	-		-	l	-		-		-	Í	-	10	432	l	-		-
Basalt + hornblendite		-		_		-		-		-	1	; -	10	432		-		j -
Basalt, NTS	2	798		-			1	_		-		-	1	· _	l	<u> </u> -		-
Basalt, olivina	2	798		-		· -	8	1688		-		-	ł	-		! -		-
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Benzene, p-dibromo	2	986	ĺ	! -	1	<u>-</u>	İ	-	1	-		_	1	-		-	H	-
Benzene, p-dichloro	2	987	Ì	-		-	Ì	-		-		_		_	ì	-		_
Benzene, p-dliodo	2	988		-		-	Ì	-	Ì	-		· _		_	Ì	í -		-
Benzene, hexadeuterated		; -	68	2	l	<u>-</u>	l	-		-		-		-		· -		-
Benzene-cyclohexane, mixture		-		_	l	· -		_	l	_	l	-	ł	-	11	350		-
Benzene-hexane, mixture	3	387	1	-		-		-		-	l	-		-		-		-
Benzene-m-hexane, mixture	- (! -	ł	-	l	-	ł	-	{ :	-	{	: -	l	-	11	352	1	-
Benzene-octamethylcyclotetrasiloxane, mixture		· -		· •		-	ļ	-		-		· -			11	354		-
Benzenecarboxylic acid	- }	<u> </u>	68	. 2		-		-	}	-		-		-		-		_
1,2-Benzenediol	-	-	6s	83	ļ					-		; -				ı -	1	-
1,3-Benzenediol	- }	-	63	83		, -		-	}	-		¦ -		-		-	İ	-
1,4-Benzenediol	- }	-	6 s	53	1	, -]	-		-]	-]	. -	!	-
Benzoic acid		-	65	2		-		-		-		<u> </u>		-		-		-
Benzol, hexadeuterated benzene	-	_	65	2		1 -		-]	-		-		-		-	İ	-
p-Benzoqui none	}	-	68	2		-		-		-	ļ	-		-		i _	1	-
Benzył acetate-m-cresol, mixture	-	-		-		-		-		-		; -		-	11	545	1	-
Benzyl alcohol	- }	-	68	2]	-		_		_		-		_		! -		_ '
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Substance Name	Co	ermai nduc- vity		ecif.		is- vity		lec-	Ab	sorp-		ens-	DI	ermel ffu- vity	VI: Si	sco- ty		ermal san- on
	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page
Beryl, India	2	801	T	-	Τ	-	忊	-		-		-		-		-		-
Berylco 25, copper alloy		_		-	j	-		_	ļ	i 1 -		-		-		-	12	1097
Beryllia, BeO	2	123	5	45	8		8	208	В		В	213	10	386	1	-		-
	- {	ļ	l		l	203 205	1		l	212	ŀ			Į.		1		
Beryllia, brush S. P. powdered		-		-	8	202	}	-		_		-		-		-		-
Beryllia, triangle	2	126		· -		 -		_		1 . -		_	1	· : -		-	i	_
Beryllium, Be	Ι,	: 18	4	16	7		7	78		! . –	7	82	10	11	1	-	12	24
Beryllium, extrusion			ł		Ì) 74 -	7	79				_		-				_
Beryllium, QMV, anodized		! _		:		 -		1265		_		_		: _		-		_
Beryllium alloys:		!				l I		1200									1	_
Be + Al	١,	498		: _	l	_	1	_	ĺ	_		-	10	228		: -	1,2	630
Be + Cu, anodized		1 _	ļ	_	وا	1268	ا ا	1270	9	1273		_		-				-
Be + Fe	İ	Ì _		. -		_		_	-	_		_	Í	_		_	12	680
Be + Fe FP~175B	ł	_		' ' -		_		_		: ' _	١,	_	ł	_		_	12	680
Be + Mg	Ι,	499		_		_		_		_		_		_		_	-	-
Be + Al + ΣΧί		-		_		_		-		_ !		_	1	_		_	12	1057
Be + Al + ΣXi , lockalloy	l	_		i _		_		_		_	ŀ	_		_		_	1	1057
	- } .	í																1059
Be + F + ΣXi	1			-		-		-		-		-		-		-]	-
Be + Fe + ΣXi		. –	l	_	1	-	7	1134		-		-	l	-		-		-
Be + Mg + ΣXi	1	932	1	-	}	-	} .	-		- '		-	10	285		-		-
Beryllium aluminum oxide, BeO-Al ₂ O ₂		-	5	1325		-		-		-		-	ł	-		-		-
Beryllium boride, Be ₈ B		-	ł	-	8	732		_		. ~		-		-		-		-
Benyllium carbide, Be ₂ C	2	571		_]	_		-		~		-	l	-		-		-
Beryllium-chromium Intermetallic compound, Be ₂ Cr		-		-	8	1275		-		-		-		-		_		_
Beryllium fluoride, BeF ₂	Ì	-	5	921		-		-		-		-		-		-	-	-
Beryllium fluoride + sodium fluoride,		.45]]			`							ĺ	
mixture Beryllium~hafnium intermetallic	2	645		-	}	-		-	}	•	:	-	}	-		-		-
compound, 6-Be ₁₇ Hf		-		-		-	'	<u>-</u> .		-		-		-		-	12	461
Beryllium-niobium intermetallic compounds:	}	1	ļ												}			
Be _{1.2} Nb	١,	1248		_	8	1273	8	1280			!	_	·	· _ ˈ		_	12.	464
Be _{1.7} Nb ₂	ľ	1248	ł	-	1.	1273	!	1280	1	_		_		_		-		_
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Beryllium oxides:	1						-				,					I	ŀ	
BeO	2	123		-	8	201 203	8	208	8	210 212	8	213	10	386		-	13	195
		i I				205					;		ĺ			!	,	
Grade, AOX	2	129		-		-		-		-		-		-		-		-
Grade, AOX-329	2			-		-		-		-	!	-	1	-	1	-		-
Grade, BD-98	2	125]	-]	-		-		-	١,	-		-		-		-
Grade, brush SP	2	125		-		-		-	1	- 1	; 1 .	-		-		-		-
Grade, clifton metal	2	127		-	L	_	L					_				_	نـــا	_

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Substance Name	Cor	rmal nduc- vity		ecif.	Em l	s- /ity		flac-		sorp-		ens-	יום	ermai ffu- vity	* i			srmei pan- on
	٧.	Page	٧.	Page	v.	Page	٧.	Page	v.	Page	v.	Page	v.	Page	٧.	Page	v.	Page
Beryllium oxides: (continued)																		
Grade I	2	128		-		-		-		-		-		-	İ	-		- !
Grade II	2	128		-	ĺ	-		-	ĺ	-		-	İ	-		-		-
Grade, UOX	2	124 127 128 129	5	45		-		-		-		-	10	386		-	<u> </u>	-
Norton's BeO	2	127	ŀ	-		-	İ	-		-		-	Ì	-	l	-	ł	-
Porcelain	2	124		-		- '		-	Ì	-		_	ľ	-		-		-
Refractory grade, 3008-13-3	2	125		-	Ì	-	Ì	-		-		-	Ì	-	l	-	ł	-
Triangle beryllia	2	126		-		-	1	-		-		-	ł	-		-		-
Beryllium oxide + aluminum oxide + ΣΧ4, mixture	2	461		-		-		-		-		-		-		-		-
Beryllium oxide + beryllium, cermet	2	708 1416	5	1243 1246		-		-		-		-		-		-	13	1313
Beryllium oxide + beryllium + molybdenum, cermet	2	711	5	1249		-		-		; -		i –		-		-	13	1341
Beryllium oxide + beryllium + silicon, cermet	2	714		-		-		-		-		-		-		! -	13	1341
Beryllium oxide + beryllium tantalum compound, cermet		-		-	a	1377 1378	8	1382		: -		 -		-		- -		_
Beryllium oxide + magnesium oxide, mixture	2	371		-		-		<u> </u>		-		-		· -		-		
Beryllium oxide + magnesium oxide + ΣΧέ, mixture	2	464		-		-		_		-		- -		_		-		_
Beryllium oxide + molybdenum, cermet		-	5	1252				-		-		-		<u> </u>	ļ	-		-
Beryllium oxide + molybdenum beryllide, cermet		-	5	1 255		-		_		: - ,		_		<u> </u>		! : -		-
Beryllium oxíde + niobíum beryllide, cermet		-	5	1258	;	-		-		- '		-		-		-		-
Beryllium oxide + tantalum beryllide, cermet		-	5	1 261		-		-		-		-		_		-		-
Beryllium oxide + thorium dioxide + ΣX¢, mixture	2	467		-		-		_		-		-		! -		_		-
Beryllium oxide + titanium beryllide, cermet		-	5	1264		-		-		_ !		-	<u> </u>	· -		-		-
Beryllium oxide + uranium dioxide, mixture	2	347		-		-		-		-	}	-		! -		! -		-
Beryllium oxide + zirconium beryllide, cermet		-	5	1267		-		-		. - 1		-		-				-
Beryllium oxide + zirconium dioxide + ΣΧέ, mixture	2	470		-		~		-		- !		-				-		- !
Beryllium-rhenium Intermetallic compound, Be ₂ Re		-		-	8	1275		-		_		-		-		. -		-
Beryllium-scandium intermetallic compound, Be ₁₃ Sc		-		-	8	1275		_		-		-		, -		-		· -
Benyllium silicate, Be ₂ SiO ₄		-	5	1329		-		-		-		-	1	-		-		-
Beryllium sulfate, BeSO ₄		· -	5	1179		-		-		-		-		-		-	l .	
Beryllium-tantalum Intermetallic compounds:																		
Ве₁₂Та	1	1251		-	8	1273 1277	8	1 280		-		-				-	12	467 469 470

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Substance Name	Co	ermal nduc- vity		ecif. eat		is- vity		flec- vity		sorp- vity		ans- ssiv.	Di	ermal ffu- vity	s	sco~		ermal can- cn
	v.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Page	v.	Page	v.	Page	٧.	Page	٧.	Page
Beryllium-tantalum intermetallic compounds: (continued)														 				
Be,,⊤a,	1	1251		-	8	1273 1277	8	1280		-		-		-		- '	12	468 469 471
Beryllium-titanium intermetallic compound, Be ₂ Ti		-		_	e	1275		-		-		_		-		-		_
Beryllium-uranium intermetallic compound, Be ₁₃ U	,	1254		-		-		-		-		-		-		-	12	472
Beryllium-zirconium Intermetallic compounds:										}								
Be, ₃ Zr	1	1256		-		-	8	1280		-		-	l	-	l	-	12	475
Be ₁₇ Zr ₂		-			ŀ	-	8	1280		-		-	ŀ	-	l	-		_
Bi-sec-butyl		-	6s	33		-	1	-		-	1	-	}	-	}	-		-
Biethylene		-	6s	5		-		-		-		-	}	-		-		-
Bihexy!	ł	-	6s	34		-		-		-	l	-		-		-		-
Biisoamyl	1	-	6s	33		-		~		-		-		-		-		-
Biisobutyl		-	6s	33		-		-		-		-		-		-		-
Biisopropyl	ł	-	6s	32		-		-		-	١.	-		-		-		-
Bimethyl	1	-	6	174		-		-		-		-		-		-		-
Binder, 3M Kel-F 800 pigmented with:	ł	}							l			}						
SP-500 zinc oxide		_		_			9	317		-		-		-		-		-
Zinc sulfide		-		-		_	9	406		-		-		-		-		-
Binder, 3M kel-F 8213 with zinc oxide pigment	}	_		-		-	9	314		-		-		-		~		-
Binder, acrylic pigmented with:																		
Aluminum, LMSC		- '		-	9	3		-	9	20		- 1		-		-		-
Carbon black		-		- 1	9	81	9	86	9	89		-		-		-		-
Lead carbonate		-		- 1		_	g,	139		-		-		-		~		-
Magnesium oxide		-		-		_	9	161		-		-		-		~		-
Strontium molybdate		-		-	9	189	9	191	9	194		-		-		-		-
Titanium dioxide		-		-	9	211	9	223		-		-		-		-		-
Titanium dioxide + talc		-		-	9	290		-	9	293 295		-		-		-		-
Zinc oxide, SP-500, calcined	-	-		-		-	9	314		-		-		-		-		-
Zinc sulfide		-		-		-	9	404		- ,		-		-		~		-
Binder, acryloid with magnesium oxide pigment		-		-		-	9	161		-		-		-		_		-
Binder, acryloid-A10 pigmented with:				- {	Í	ĺ	ĺ					İ		. (İ		
Lead carbonate		- 1		- {	ĺ	-	9	138		- (- [- (-	}	-
Zinc sulfide		-		- }		-	9	404		-		-		-		-	ł	-
Binder, alkyd pigmented with:	1			- [ĺ	[1		(- (
Aluminum oxide	1	- 1		-	ĺ	-	9	33		-		-	ł	-	ĺ	-		-
Lead carbonate		-		-		-	9	139		-		-		-		-		-
Magnestum oxide		-		- (ĺ	-	9	161		-		-		-	ĺ	-	1	-
Titenium dioxide		-		-	9	211	9	221	9	256		-		-		-	1	-
	نــــــــــــــــــــــــــــــــــــــ		Ш	i	_	214		250									_	

	T		Ι.		TI	herme.	R	diat	ive	Prop	er t	ies						
Substance Name	Co	ermel nduc- vity		ecif. sat	Em s i v	is- vity		iec-		orp~			Di	ermel ffu- vity				ermel pen- on
	v.	Page	v.	Page	}	Page	—	Page	┺	Page	—		v.	Page	v.	Page	v.	Page
Binder, alkyd pigmented with: (continued)																		
Titanium dioxide + caicium sulfate	1	-		-	•	-	9	289		-		-		-		-		-
Titanox AMO	Ì	-	Ì	-	Ì	-	9	222		-		-		-] ~		-
Zinc sulfide + clay	1	-		-	{	{ -		-	9	416	1	-	Ì	-		-	1	-
Binder, alkyd-melamine pigmented with:			{	}	1								l	1		{	1	
Aluminum oxide		-		-		-	9	33		-	1	-		-		-	1	-
CaSO ₄ + T1O ₂		-		-		-	9	78		-	l	-	ĺ	į -		-	1	-
Lead carbonate	}	-		-	}) -	9	139		-	[-	1	j -		-	1	-
Magnesium oxide		-		-	{	-	9	161	}	-	}	-	1	-		-	1	-
Titanium dioxide		-	ļ	-]	ļ -	9	221	}	ļ -	}	-	ļ	j -	ļ	-]	-
Titanox C-50		_				-	9	78		-		-		-		-	,	-
Titanox RC		-		!		_	9	289 78 289		-		-		! -		1 -		-
Binder, aluminum phosphate pigmented with:						} :		. 20 3		:	1			: !		İ		<i>i</i> !
Barium titanate		_	ļ	_	9	63		_	Į	-	l	-	Į	; -		: -		<u> </u>
Calcium titanate		-		-	9	79 80		-		-		-		· -		-		
Cr-Co-Ni spinel		· -		: -	9	186		ļ _	[-		· -	į		[-
FCE-11	}	٠ _		÷ _	9	63		-		-	l	-		-		-	L	-
lron t tanate	}	-		-	È	123		-	1	_			١	: -	1	-	1	<u> </u>
Jron titanate + alumina		-	1	-	9	123	}	' ~	}	-	}	-		· -		-	1	· -
NIO-Cr ₂ O ₈ spinel + SiO ₂		· -]		9	186	ļ	: -	}	-	ļ			-			l	-
Silicon carbide		-	1	-	9	174		' -		-		1 ~		-		-	}	-
Sic + SiO2	1			-	9	174		-		-		-		-		-]	
Strontium titanate	1	· -		-	9	197)	~		· -	}	~		-	1	: -	}	· -
Tin oxide	ł	-		-	9	201	ļ	; -	9	205		~		-	}	~	}	-
Uftrox, ZrSfO ₄	1	-		~	l	-	1	~	9	435		-		-		~		; -
Zirconium oxide	}	-		-	1		9	425		-		~				-		; -
Zirconium stilcate	Ì	, -	Ì	-	1	-		-	9	435	1	~		-		; -	1	-
Binder, barium beryllium silicate with cerium dioxide pigment		-		_	9	445 448		-		-		-		-		-		- -
Binder, barium borosliicate frit with chromium oxide pigment				_	9	455		· } ~				-		_				! : -
Binder, base glaze No. 1 pigmented with:						459	1					1				!		
Centum dioxide		· -	}	-	9	445	1	•		-	1	-		-	1	-	1	
Chromium oxide + cobalt oxide		_		-	9	455		· -		-	1			-		~	-	<u>'</u>
Cobalt oxide + chron-lum oxide		-		-	9	464		٠-	1	-		-		-		-	Ì	-
Binder, base glaze no. 2 pigmented with:						:	1				1				1		1	
Chromium oxide + cobalt oxide	1	-	1	· _	9	456	1	-	1	-	1		1	-		-		_
Cobalt oxide + chromium oxide	1	-		-	6	464		-	1	-		-		-	(-		-
Cobait oxide + manganese oxide		-		•	9	: 464		-				-	Į	-	Į	-		
Manganese oxide + cobalt oxide	ĺ	_			9	468		, -	1	-				-		-		-

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Substance Name	j Co	ermal nduc- vity		scif.	Em i	is- /ity		Flec-		orp-		ans- sslv.	DI	ermal ffu- vity	811	ty		ermal pan on
	٧.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Page	V.	Page	٧.	Page	٧	Page
Binder, base glaze no. 3 pigmented with:					Γ				Γ				Π					
Carium dioxide + cobalt oxide	ł	-		-	9	445		-		<u> </u>	l	-		-		-		-
Chromium oxide + iron oxide	1	-	l	-	9	456	l	-	l	-		-		· -		! -		
Cobalt oxide		-	ł	-	9	464		-	ļ	-	l	-		' -	1	-		· -
Cobalt oxide + nickel oxide	1	-	ł	-	9	464	Ì	-			l	-	Ì	-		-		: -
tron oxide + chromium oxide	1	-	ł	-	9	466		-		-		. –	١			-		-
lron oxide + manganese oxide		-		-	9	466		-	-	-	l	-	{	-	l	-		-
iron oxide + nickel oxide	1	-			9	466	}	-				; -	1	-	1	-		-
Manganese oxide + cobalt oxide	1	-	1	-	9	468	}	-]	! -	l	-	ŀ	· -	1	-		-
Manganese oxide + iron oxide	1	-		-	9	468		-		-	ļ	į -	l	-	}	-	l	-
Nickel oxide + cobalt oxide	1	-	l	! -	9	469		-	}	-		! -	ł	-		· -		-
Nickel oxide + iron oxide		-	l	-	9	469		-		-		-		-	ļ	-		-
Binder, carboxy-methyl-cellulose with barium sulfate pigment		ļ -		-		-	9	62		-		-		~		-		-
Binder, cellulose nitrate with titanium dioxide pigment		! -		! -		-		. <u>-</u>	9	256		-		-		-		-
Binder, copolymer acetone with zinc oxide pigment				: : -		-	9	314		. -	}	-		-		-		. <u>-</u>
Binder, decoret with carbon black pigment	ł	! -		_	ì	-	9	86		-	1	٠ -		-	l	-		-
Binder, decoret with lampblack pigment	1	-	l	<u> </u>	ì	-	9	86	l	. -	l	-		~	1	-		-
Binder, Dow Corning 20 with silicon carbide pigment		-		-	9	174		_		· -		· _		-		-		-
Binder, Dow Corning 806 A pigmented with:		ĺ		į				į Į	1		1	ſ				!		
Boron nitride	1	-		ļ -	Ì	_	9	68	1	' -		; -	Ì	-		-		-
Boron nitride + diatomaceous earth	1	-		-	ĺ	_	9	70	1	-	ĺ	-	Ì	-		-		-
Diatomaceous earth	İ	-		[-	İ	-	9	113	1	· -		-	1	-	1	-		-
Magnesium oxide	İ	-	ĺ	-	Ì	-	9	161		-		-	l	-		-		-
Magnesium oxide + diatomaceous earth		: -	ĺ	<u> </u>	İ	-	9	165	ĺ	-		· -	ļ	-	1	-		-
SIC + TIC	1	-		! -	9	174	Ì	 -	l	-		· -		-		_		-
Titanium dioxida		-	ĺ	-	9	211	9	222	l	· -	ł	-	l			-		
Zinc oxide		-	l	-		-	9	317	1	ļ -	l	<u> -</u>		_	1	: -		-
Binder, Dow Corning 807 with lampblack pigmant		-		-	9	82	9	86		-		-		 ~		-		-
Binder, Dow Corning Q90016 with zinc oxide pigment		-		-		-	9	308 321	9	375	}	-		! -		-		<u>.</u>
Binder, Dow Corning Q90090 with zinc oxide pigment		-		-		_		-	9	362	ļ	-		-		-		-
Binder, Du Pont RC-7007 pigmented with:	1				}			į						1				į
Aluminum oxide	}	-) -		-	9	33		 -		-		-		-]	-
CaSO ₄ + TIO ₂	1	_		-		-	9	78		-		-		-		-		-
Du Pont R-100 pigment		_	1	-		-	9	223		-	•	-		_		-		j -
Du Pont R-510 pigment	1	-		-]	-	9	221		-	•	-		_		-]	-
Magnesium oxide		-		_		-	9	161		-		-		-		_	1	-

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Substance Name	Co	ermal nduc- vity		ecif. est	Em s	is- vity		Flec-		sorp- vity		ans- ssiv.	Di	ermal ffu~ vity	Sì			ermal can- co
	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	٧.	Page	v.	Page
Binder, Du Pont RC~7007 pigmented with: (continued)	T																	
Titanium dioxide	- [-		-		-	9	221	[-	Į	{ -		} -	1	-		-
Titanox C-50	- {	-		-		-	9	78 289		-		-		-	}	-	} }	-
Titanox RC		-	}	-		-	9	78 289		-		-		-		-		-
Binder, Du Pont viton B with zinc oxide pigment		-		-			9	314		-		-		-		-		_
Binder, epoxide with titanium dioxide pigment		-		-	9	211		-		-		-		-		-		-
Binder, epoxy pigmented with:		{				'				}		}	}	}	}		1	
Carbon black		-		-	9	82 84	9	86	9	89	{	-	ļ	-		-		-
Lampbiack		-		-	9	82 84	9	86	y	89		-		-	}	-		-
Titanium dioxide		-		-	9	211		-	9	252 255 263 281		-		-		-		-
Binder, ethylcellulose + Dow 7 pigmented with:										}								
Magnes:um carbonate	-)	~	1] -)	-	9	156		-		-		-	1	-	1	-
Magnes:um oxide	}	} -		-		-	9	158		-		-		-		-)	-
Binden, formaldehyde with lead carbonate pigment		-		-		-	9	138		-		-		-		-		-
Binder, G.E. RTV-602 silicone resin pigmented with:	-				1						}		}	}		}		
China cl ay		-		-	9	95	9	97	9	98 100		-		-		-		-
Rutile TiO ₂ Du Pont R-960		-	1	-		-	9	228	9	273		-		-		-		-
Titanium oxide		-		-		-	9	220 244	9	256 263		-		-	1	-		-
Zinc oxide		-		-		-	9	314	9	373 392		-		-		-		-
Zinc oxide, S-13G		-		-	9	304	9	322 355	9	382 392		-		-		-		-
Zinc oxide, S~13H	}	-		-		-	9	323		-		-	}	-		-		-
Binder, G.E. SE 551 methyl-phenyl silicone with zinc oxide pigment		-		-		-	9	317		-		-		-		-		-
Binder, G.E. SR-122 with magnesium oxide pigment		-		-		-		-	9	163		-		-		-		-
Binder, gelatin with silver chloride plyment		-		-		-	9	181		-	9	(-		-		-
Binder, lacquer with aluminum pigment	-	-		_	9	6		-		-		-		-		~		-
Binder, leonite 201~S pigmented with:	}		})								})				
Magnesium oxide		_		_		_	9	161		_		_		_				-
Zinc oxide	}	_		_		_	9	314		-		-		-		-		-
Zinc sulfide		-		-		-	9	406				-		-		-		-
Binder, LTV-602 with SP-500 zinc oxide pigment		-		-		-	9	322		-		-		-		-		-
Binder, LTV-602 with Ti pure R-900-1 pigment		-		_		_	9	220		-		-		-		_		_

	T				TF	erma'	Re	diat	ive	Prope	ert	es	_					
Substance Name	Co	ermal nduc-		scif.	Emi			lec-		orp-		ans-	Di	ermai ffu-	Vi:	ty	Exp	ermai par-
	V.	Page	v	Page	┝	Page	_	Page		Page	$\overline{}$	Page	├-	Pege	v	Page	s ' c	Page
Binder, LTV-602 with titanox RA-10 pigment	T	_		_		_	9	220		_		_		_		_		_
Binder, ludox with SIC + talc pigment		_	ļ	_	9	176		_		_		-		-		-		-
Binder, methylphenol silicone with	1											1				[ļ
anatase TiO2 pigment	l	! -	1	- ,		-	9	244		-		-		-		- 1		-
Binder, NBS frit No. 332 pigmented with:	1			:								}						l
Cerium dîoxide + magnesium oxide	1	-		-		-	9	452		-		-	Ì	-		-		-
Cerium dioxide + t:n oxide		-		-	9	445	9	452		-	•	-		-		-		ļ ~
Cerjum dioxide + zirconium oxide		-	ł	-		-	9	452		-		-		-		-		-
Chromitum oxide		-	ŀ	-	9	455	9	463		-	ŀ	-		-		-	ł	-
Chromium oxide + black stain		-	ļ	-	9	455	9,	463		-	l	-		-		-		-
CoO·Cr ₂ O ₃ spinel		-		-	ې	472		475		-		-		-		-		-
CoO-Fe ₂ O ₃ spinel		-		-	9	472	Ģ	475		-	ļ	-		-		-		-
CoO-Mn ₂ O ₃ spinel	1	-		-	9	472	ĝ.	475		-		-	1	-		-		-
Fe ₂ O ₃ + CoO + Cr ₂ O ₃	1	-		-	9	466	9	467		-	ł	-	ł	-		į -	l	-
NiO-Cr ₂ O ₃ spine!	1	-		-	9	472	Ģ	475		-	ĺ	-	ſ	-		-		-
NiO-Fe ₂ O _s spine!	}	-		-	ā	472	9	475		-		-		-		-		-
Tin oxide + cerium dioxide	ł	-		-	Çı	477	9	478		-		-	}	-		-		-
Zirconium oxide + cerium dioxide	1	-		-	9	479		-		-		-	ł	-	}	-		-
Binder, necoloidine pigmented with:	1												Ì			İ	l	
Titanium hydride	}	-	[-	9	209		-		-		-	•	-		-		-
Zirconium carbide	1	-		\ _ !	9	421	ŀ	-		-	}	-		-	}	1 -		-
Zirconium hydride + iron oxide	1	-		-	9	422	Ì	-		-		-	}	-	}	-		-
Zirconium hydride + zirconia	1	-		-	Ģ	422		-	ł	-	1	-		-	ł	-		-
Binder, nitrocellulose pigmented with:			1					ĺ		1	l	ļ			l			
Aluminum	1	-	•	-	9	3		-		-	1	-		-	ĺ	-		-
Carbon black		-	ŀ	-		-	9	86	1	-		-		-		-		-
Lead carbonate	1	-	}	-		-	9	139	1	-		-		-	}	-	1	-
Titanium dioxide	1	-	Ì	-	9	211	9	221	1	-		-		-	ł	-	ı	-
Titanium pyrophosphate	1	-		-	9	298	1	-	1	-		-		-		-		-
Zirconium oxide	1	~		-	9	423	ł	-	}	-		-		-		-		-
Binder, oil with aluminum pigment	1	-		-	ł	-	9	9	ı	-		-	}	-		-		-
Binder, oil with leafing aluminum pigment	ı	-	l	-	ł	-	9	9	l	-		-		-		-	l	-
Binder, Owens-Illinois 650 with SP-500 zinc oxide pigment	Ì	-		-		-	9	322	9	377 393		-		-		-		-
Binder, phosphate with potassium titanate pigment		-		-	9	172		 -		-		-		-		-		-
Binder, phosphoric scid cement with aluminum oxide pigment		-		-	9	30		-		-		-		-		-		-
Binder, phthalic alkyd pigmented with:					1										1			
Carbon black		-		-]	-		-	9	89		-		-	1	-		-
Carbon + aluminum	1	-		-	9	91		-	9	93		-		-	-	-		-
Binder, polyvinyl alcohol with barium sulfate pigment		-		-		-	9	62		-		-		-		-		-

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Substance Name	Co	ermel nduc- vity		ecif.		is- /ity		lec-		orp-		ens- ssiv.	DI	ermel ffu- vity	•	sco- ty		orme 1 080~ 00
	v.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Pege
Binder, polyvinyl butyral pigmented with:														[
Titanium dioxide		-		-		-		-	9	267	İ	-		-	1	-		-
Zinc sulfide	1	-	l	-		-	9	304	9	415		-		<u> </u>	l	-		-
Binder, PS-7 potessium silicate pigmented with:	1) 										•				ı 1
Alucer MC Al ₂ O ₂	l	-	l	-	1	_	l	-	9	41		-	l	-		-		-
Aluminum oxide	}	-		-	9	28	9	33 39	9	41 42	}	-		-		-		-
A1200 + T102 + Zn0	1	-	ŀ	-	9	28	9	34	9	42	1	-		-		-		-
Aluminum phosphate		<u> </u>		} -		-		-	9	435		-		-		} ~		-
Aluminum silicate	1	-		-		-	9	47	9	49	ì	-		i -		-		-
Antimony oxide		! -	l	-		-	9	51	9	54		¦ -	ł	-	{	-		_
	}			:						56 57 60				-		: 		
Boron nitride	1	_		-	9	66		–		-		. -	l	-	ĺ	-		-
Cabot RF-1 TIO ₂		-	l	-	9	214		_		; -	1	-	l	-	}	-		-
Calcium metasilicate]	-	}	1 -)	-	9	76		-		! -		; -	1	! ~	}	-
Cr-Co-Ni spinel		-		_	1	-		-	9	187		_	1	· _		Í -	('	-
Distomaceous earth		_	1	-	1	_	9	113	9	116	1	! -	-	<u> </u>		-		-
Dicalite WB-5		ļ <u>-</u>	ł	! -	1	_	9	113	9	179		! -		: _		-		-
E-P730 zinc oxide		-		-	1	-	9	316	}		}	<u> </u>	}	: -	}	-		-
Lanthanum oxide	1	· -	١	! -	1		9	127	9	132		ł _		i _		_		_
Lithafrax	1	· _	[! -	1	-	9	144	1	-	1	<u> </u>		: : -	1	_	(;	_
Lithium aluminum silicate				! _	۱,	143	9	144				_		-	Ì	_		-
Magnesium aluminate spinel	1	; -	}	-		-	}	-	9	187		i -		! ! -	-	-		-
Magnesium silicate	1	· _	}	: : -	}	_	9	168	9	169		· –		-		-		_
Molochite no. 6	1			· -		_	و ا	47	9	49		_		! ! -		-	İ	_
Molochite SF		-	ĺ	: : -	1	_	9	47	9	49		_		_		_		_
Silicon dioxide	1	_	}	· _	}	_	9	178	9	179		i –		i _		i _	ļ	_
SP-500 zinc oxide pigment	1	-		: <u>-</u>	9	304	9	314		360		_		: <u>-</u>	}	· _		_
	}	1		! !						365 370 394	i	: : :		:				
Strontium molybdate	1		}	-	,	188	9	191	9	194		_		· -		-	!	_
Superpax ZrSIO ₄ pigment		<u> </u>		-)	-	8	432	8	437		-		· -		¦ _	,	-
Tin oxide		-		- !	9	201	9	204	9	205 207		-		-		-		-
Titanium dioxide		-	}	-	9	214	9	226	9			-		-	}	-		-
Titanium dioxide + aluminum oxide, mixture		· _		<u> </u>		_	9	285	}	_		 -	}	i _	}	-		_
		1	}	ļ	}		}	287		,				! ! !				
XX254 ZnO pigment		-	ļ	-		-	9	316		-		! -				! - !		-
Zinc oxide		-		-	9	302 304	9	306 314 355	9	360 362 365 373 392		-		- 		_		-
Zinc sulfide	1	-		!			,	405	9	418		_		· ·	ĺ			_

	Therme	Specif.	Ţ	herma	l ƙ	adia†	ve	Prop	er	ties	_	ermei	,,,	-co-	Th	erma i
Substance Name	Conductivity			is- vity		flec-				rans- issiv.	Dit	ffu- //ty				pan-
	V. Page	V. Page	v.	Page	v.	Page	v.	Page	V	. Page	ν.	Page	v.	Page	٧.	Page
Binder, PS-7 potassium silicate pigmented with: (continued)												1				
Zinc titenate	-		ļ	<u> </u>		; -	9	420		-		-	<u> </u>	-		. -
Zirconium oxide	-	-	į		9	425	9	428		٠.		-	Ì	-		-
Zirconium silicate	-	-		-	9	432	9	435 437 441				-		-		-
Binder, R-44 acrylic with strontium molybdate pigment	-	-			9	191	9	194		: <u>-</u>		-	,			
Binder, resin with leafing gold pigment	-	-	9	25		· -]	-		; -		-	ļ			. -
Binder, RTV-11 polymethyl siloxane with zinc oxide pigment	-	-		-	9	317		_		. <u>-</u>		. -		-		-
Binder, silice pigmented with:		1	İ	<u> </u>	ł	!			l							
Sillcon carbide	-	-	9	174		-		: -		· -		-		-		-
Titanium carbide	-	-	9	208		-		! -	l	-		-		-	l	. -
Zirconium oxide	-	-	1	!	9	425	{	-		-		-	,	-	Ì	: -
Binder, silicate with tin oxide pigment	-	-		-		-	9	205 207	Ì	-		: -		-	}	<u> </u>
Binder, silicone-alkyd with zinc sulfide + clay pigment	-	-		-		-	9	416		! -		_		-		: -
Binder, silicone alkyd epoxide with titanium dioxide pigment	-	-	9	212	9	221 250	9	275		: -		- -		-	İ	-
Binder, silicone pigmented with:		1		<u> </u>				:	l		1					i
Aluminum	-	-	9	3 6	9	13 17	9	21		-		-	·	_		-
Aluminum + carbon	-	i -	l	¦ -		-	9	24		-		-	,	-		-
Antimony oxide	-	-	1	-	9	51		-		-		_ '		-	İ	<u> </u>
Barium titanate	-	-	9	63		-	9	64	Į	-		-			1	-
Boron nitride	-	-		-	9	68		-		-		-		-		-
Boron nitride + diatomeceous earth	-	! -	1	<u>'</u> -	9	70	ĺ	-		-		-		-		-
Calcium carbonate	-	[-]	{	-	9	73	İ	-	İ	-		-		- 1		- :
Carbon black	-	-	9	81 82		-	9	89		-		-		-	· [-
China clay	-	-	9	95	9	97	9	98 100		-	1	-		-		-
Clay + TiO2	-	-	9	105		-	9	107		-		-	,	-	:	-
Diatomaceous earth	-	-	Į	-	9	113)	-		-		-		-	l	
Iron oxide	-	-	9	117 119 121		-		-		-		-		-		•
Lampblack	-	-	9	82	9	86	•	-		-		-		-	ĺ	_
Lead carbonate	-	-		-	9	138		-		¦ -		-	1	-		-
Leafing aluminum	-	-	9	3 7	9	13 17	9	21		-		-		-		-
Leafing aluminum + carbon	-	-		_		-	9	24		-		-		-)	-
Megnestum oxide	-	-		-	9	161		-		-		-		-		- '
Megnesium oxide + distomeceous earth	-	-		-	9	165	İ	-		-		-		-		-
Micro-cell C, distomaceous earth	_ -	-	1	-	9	113		-		-		-		_ 1	ا ا	

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Substance Name	Co	arma! nduc- vity		ecif.		is- vity		Plec- vity		orp-		ens- ssiv.	011	erme! ffu- vity	•	sco- ty	Exp	erme! pen~ on
	v.	Page	٧.	Page	٧.	Pege	v.	Page	v.	Page	v.	Page	V.	Page	v.	Page	v.	Page
Binder, silicone pigmented with: (continued)																		
Silicon dioxide	-	-		-		-	9	178		-		· ~		-		-		-
SP-500 zinc oxide pigment		-		-	9	304	9	306 308 314	9	370 394		-		-		-		-
Strontium zirconate		-		_	9	198		_ '	9	199		-		-	ĺ	_		-
Superlith XXXN pigment	1	-		-		_	8	405	8	415		-	1	1 -		-		-
Titenium oxide		-		-	9	211	9	220 244	9	252 255 263 281		-		-		-		-
Titanium oxide, Thermatrol ZA~100	Ĭ	-		ĺ -		_	9	224	ĺ	-	1	-	,	-		-	1	-
Titanox A-WD, TiO ₂	1	-		_		_	9	222		-		-		_		-		-
Titanox AMO, anatase TiO₃		-		-		-	9	222		- '		-		-	ĺ	-		_
Zinc oxide		-		-	9	302 304	9	308 314 355	9	362 371 392		-	-	-		-		-
Zinc oxide, B-1060		_		-	9	304		-	9	382 393		_		-		-		-
Zinc oxide, S-13		-		-		-	9	318 355	9	371 392		-		-		-		-
Zinc suifide		-		-	9	401	9	404	9	412 415		-		-		-		-
Zirconium silicate	1	-		-	9	430		-	9	437		-	l	-		-		- ,
Binder, silicone ZW 40 with zinc sulfide pigment		-		-	9	401		-	9	415		-		-		-		-
Binder, silicone ZW 60 with zinc sulfide pigment	}	-		-	9	401		-	9	415		-		-		-		-
Binder, siloxane with titanium dioxide pigment		- 		-		-	9	220	9	255 264		-		-		_		-
Binder, siloxane with zinc oxide pigment		-		-		-	9	316	9	362 392		-		-				-
Binder, sodium silicate pigmented with: Aquablack, B				_	9	574		_	9	575						 -		
Calcium fluoride		_		_	٦	_		_	9	75				_		_		_
Lithafrax		_		_	9			_	9	147		_		_		_		_
Ci Cilaii dx					١	142			3	150								
Lithium aluminum silicate		-		-	9	142		-	9	147 150		-		-		-		-
Lithium fluoride	1	-		-		-		-	9	155		-	1	-		- !		-
Potassium aluminum silicate		-		-		-		-	9	171		-		-	١,	-		-
Sodium aluminum silicate		-		-		-		-]	9	185		-		-		-		-
Spodumene		-		-		-		-	9	150 153		-		-		-		-
Titanium dioxide	1	-		-		-		-	9	255		-		-	١.	-		-
Zinc oxide	1	-		-		-		-	9	362		-		-		-		-
Zinc sulfide		-		-		-		-	9	412		-		-		-		-
Zirconium		-		-	9	26		-		-]	}	-		-		-		-
Zirconium silicate	Į	-		-	9	430		- [9	437		-		-		-		-

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Substance Name	Co	ermai nduc- vity		ecif.		is- vity		flec-		sorp-		ens- ssiv.	Di	ermal ffu- vity	si'	sco- ty		ermal can- co
	v.	Page	v.	Page	٧.	Page	v.	Page	v.	Page	v.	Page	v.	Page	٧.	Page	٧.	Page
Binder, synar pigmented with:	T																	
Boron carbide	f	-		-	9	65		-		-		-	}	-	ł	-	1	-
Cr20, + Fe30, + NIO	}	-		-	9	103		-	ļ	-		-	•	-		-		-
Silicon carbide		-		-	9	174		-		-	İ	-		-		-		-
SIC + UO2		-		-	9	176		-	ĺ	- '	ĺ	-	1	-	ĺ	-		-
Binder, teflon plgmented with:								ļ	ļ			}		}		ļ		
Zinc oxide	1	-		-		-	9	317	İ	-	ĺ	-	1	-		-		-
Zirconium cxide		-		-	Į	-	9	425		-		-		-		-		-
Binder, turpentine with carbon black pigment		-		-		-	9	86		-		-		-		-		-
Binder, turpentine with lampblack pigment		-		-	1	-	9	86	ļ	-		-	Ì	-		-		-
Binder, v ton with zinc oxide pigment		-		-	}	-	9	317		-		-		-		-		-
Binder, voton B copolymer with SP-500 zinc oxice pigment		-		-		-	9	314		-		-		-		-		-
Binden, xviol pigmented with:		Ì		ĺ	Ì	1				1			Ì					
Acetylene black	-	-		-	9	81		-		-		-	}	-	ĺ	-		-
Carbon black		-		-	9	61		-		-		-		-	Ì	-		-
1,2-Binitrobenzene		-	6s	34	Ì	-		-		-		-		-		-		-
1,3-Binitrobenzena	1	-	6s	34	ł	-		-		-		-		-		-		-
1,4-Binitrobenzene	1	-	6s	34		-		-		-	l	-		-		-		-
1,2-Binitrobenzol	1	-	6s	34		-		-		-		-		-		-	J] -
1.3-Binitrobenzol	1	{ -	65	34	1	-		-		-		-	l	-		-		-
1.4-Binitropenzol	Į	-	6s	34		-		-		-		-		-		-		-
Bioctyl		-	6s	43	Ì	-		-	1	-		-		-		-		-
Bi pheny l	2	989	1	-	l	-		-		-	l	-		-		-	ŀ	-
Biphenyl + o-,m-,p-terphenyl + higher phenyls, santowax R	2	1005		-		-		-	ŀ	-		-		-	į	-		-
Bismuth alloys:	1						ļ	ļ		1								
Bismuth, Bi	1	25	4	21	ļ	; - 1		-		-	7	85 88	10	12		-	12	33
Bismuth alloys:				}]							
Bi + Cd	1	505		-		-	1	-		-	1	-	1	-		-		-
Bi + Pb	١,	508	4	291	-	-		-	-	-	Į	-		-		-	12	681
Bi + Pb, eutectic alloy	1	509		-		-		-		-	1	-		-		-		-
Bi + Sb	1	502	1	-		-	ĺ	-		-	ĺ	-		-		-	12	673
Bi + Sn	١,	511	-	-	{	-	{	-	7	899		-		-		-	12	684
Bi + Sn, Hutchins alloy	1	512		-		-	ĺ	-		-		-		-		-		-
Bi + Cd + XXi	1	935	1	-	1	-	1	-	1	-		-	1	-	1	-	1	-

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Substance Name	Co	ermel nduc- vity		eat		ls- vity		flec-		sorp-		ens-]DI	ermei ffu- vity		ty		ermei pen- on
	V.	Page	v.	Page	v.	Page	v.	Page	\vdash	Page	-	Page	 	Page	v.	Page	v.	Page
Blamuth alloys: (continued)	T								Γ								Γ	
BI + Pb + EX6	١,	938		_		_		_		_		_		_		_	[_
BI + Pb + \$X4, Lipowitz slipy	};	939	l	_	}	_		_		_	}	_		_	ŀ	_		_
BI + Pb + \$X4, Rose metal		939		_	l	_		_		_		_		_		_		_
BI + Pb + XX4, Woods metal	١,	939	l	_		_	ł	_				_		_		! -		_
Bismuth glance, Bi ₂ Te ₂		_	5	717	1	_		_		_	}	_		_		_		_
Bismuth Iodide, Blig	1	_		_		_	a	1027		_	ł	_		_	ŀ	_		_
Bismuth oxide, Bi ₂ O ₃	ĺ	_	5	48	1	_ '	ľ	-		_	l	_		_		_		_
Bismuth-piatinum intermetaliic compounds:																		
BIPt		-		-		-		-		-		-		-		-	12	480
Bi₂Pt		-		-		_		-		-		-		-	i	-	12	482 478 480 481
Bismuth selenide, Bi ₂ Se ₈		-		-		-	8	1130		-		- 		-		-		-
Bismuth selenide + bismuth telluride, mixture	1	1393	l	_		_		-		-		_		-		-		-
Bismuth stannate, Bi ₂ (SnO ₂) ₃	2	261		[-		-		-	i	-		_ !		i - I		-		-
Bismuth sulfide, Bl ₂ S ₃]	-	5	647		-		-		-		_	ĺ	-		-		-
Bismuth telluride, Bi ₂ Te ₈	1	1257	5	717	•	-	В	1238	[-		-	10	456		-	13	1270
Bismuth tellurium selenide	İ	-		-		-	8	1130		-		-		-		-		- 1
Bismuth telluride + tellurium, mixture	1	1415		-		~		-		_		-		-		_		-
Bismuth titanium oxide	}	-	}	-	l	-		-		-	8	644	}	-	١,	_		-
Bisphenol-A	ł	-		-	ł	-		-		-		-		-	!!	_	13	1405
Bitter spar, dolomite	2	810	5	1115		-		-		-		_		-		-		¦ -
Bitumen	2	1155		-		-		-		-		-	İ	-		-		-
Bitumin concrete	2	863		-		-		_		- '		-		-		-		{ -
B:viny1	}	ļ -	6s	5		-		-		-		-		-		-		-
Blanc fixe	1	-		-		-		- !		- '		-	10	413		-		- [
Bone char	2	1156	}	-	1	-		-		-		-		-		-		-
Bonic ecid + titanium bonide, mixture		-		-	8	1468 1469	8	1471		-		-		-		-	1	- [
Boric acid + titanium boride + titanium oxide, powder		-		-	В	1515 1516	8	1518		-		-		-		-		-
Boric oxide glass		-		-		-		-		-		-		-	(-	13	1352
Boron, B	1	41	4	25		-		-		-		-	10	16		- !	13	12
Boron/Avca 5505, composite	1	-		-		-		-		-		-		-		-	13	1533
Boron carbide, B ₄ C	2	572	5	402	8	852	8	855		_		-	10	461		-	13	840
Boron carbide + aluminum, cermet	2	717		-	ŀ	-		-		-		-		-		-		-
Boron carbide + molybdanum oxide powders	1	-		-		-	8	1465		-		-		-		-		- }
Boron carbide + sodium silicate, mixture	2	541		-		-				-		-		-		-	ľ	-
Boron fluoride oxide, trimeric	1	-	65	2		-		-		-		-		-		-		}
Boron nitride, BN	2	656	5	1078	8	1037 1040 1042	8	1047		-	8	1054		-		-	13	1131

					Т	arma'	R	diat	ive	Prop	ert	les						
Substance Name	Cor	erme i nduc-		elf.		18-		lec-		огр-		ens-	Dit	rmel: ffu-	8 i i	ty	Exp	ormal
	v.	Page	v.	Page	v.	Page	⊢-	/ity Page	┝	Page	├~	Page		Page	v.	Page	* 10	Page
Boron nitride, boralloy	2	656	╌	1078	H	-		-		-	┢	-		-		-		-
Boron nitride + boron oxide + \$X4, mixture		-	5	1270		-		-		_		-	1	-		-		-
Boron nitride + carbon, mixture		-	5	1273		- :		-		-	l	-		-	ł	į –		_
Boron oxide, B ₂ O ₂	2	138	5	51	ļ	-	ŀ	_ ,	ļ	_	1	i -		_		-		_
Boron oxide + silicon oxide, mixture	2	498	1	-		-		-		-]	-	1.0	436 437		¦		-
Boron oxyfluoride, trimeric		-	6=	2		_		_		_		_		43 /		i _		 -
Boron phosphate		_	•	_		; -	8	608		-	}	· -		· , –		_		-
Boron phosphide, BP	}	-	•	_	e	1105	8	1107		_		-	•	! ! -		-	13	1165
Boron silicides:						İ								1				!
S1B ₄	1	1262	ĺ	-	В	1134	8	1138		_	ĺ	i -	(-		-	l	-
·			l	-	1	1136						l i	l			1	1	
SIB _e	1	1262	ł	-	8	1134 1136	8	1138		-	ł	- 	1	i -	l	-	l	_
Boron + titanium borida powder		-		-	ŀ	-	8	1447		-	ļ	-	ł	-		! -		-
Boron tribromide, BBrs	ł	-	6 s	2	1	-		-		-	l	-	-	-		-	l	-
Boron trichloride, BCla		-	6\$	2		-	ļ	-		-]	-	Į	-	ļ	-	1	-
Boron trifluoride, BF ₀	3	99	6	67		-		-		-		-	ļ	-	11	74	ļ	-
Borosilicate, powder	2	1040	ļ	-		-		-		-	ļ	-		-	1	-		-
Boxwood	2	1061	1	-	١	-		-		i -	ĺ	-		f -		i ~	1	-
Brain tissua	ĺ	-	ľ	-	1	-	Ì	-		-	ł	-	10	627		-		-
Brain tissue, cat	ł	} -	ł	-	l	-		i -		 		-	10	628	ł	-	ì	-
Brass	ł	-	4	346	7	912 915		-	7	925	l	-	10	239		-	12	1116
Brass, 70/30	1	590		-		-		-		-	ŀ	-		-		-	12	1116
Brass, alpha		-		-	1	-	7	921		-		-	Ì	-		-	ļ	-
Bress, B. S. 249	1	981	ļ	-		-		-		-	Į	-	j	-		-]	-
Brass, cast	1	980		-	•	-		† -		-		-	ļ	-] -		-
Brass, common	ļ	-		-		-		-		i -	1	-	1	-		-	12	798
Brass, German, red	1	981	١	-	ĺ	-		-		-		-	١	-		-		-
Brass, high	١	981 982		-	ĺ	-	ĺ	-	Ì	-		-	İ	i ~		-		-
Brass, high tensile	١,	980	i	-	1	_		ļ -		-		_	ľ	-		_	ſ	-
Brass, leaded free cutting	١,	981	ĺ	-	ĺ	-		-	ĺ	-	ĺ	-		-		-	İ	-
Brass, MS 58	1	980		-	ļ	-		-	l	-	ł	-	l	-		-	ł	<u>-</u>
Brass, MS 76/22/2	1	980	ł	-	l	-		<u> </u>	l	-		-		-		-		-
Brass, R	}	-		-		-	7	921	ļ	-		_	ļ	-		-	ļ	-
Brass, red	1	591		-		-]	-		-		-]	-]	_	12	1116
Brass, rolled	١	980		-		-		-	1	-		-	1	-		-		-
Brass, yellow	١,	981 982		-	7	912		-	7	923	1	-	10	239		-		-
Brass, yellow ASTM B16		-		_		-		-		-		_		_		_	12	1116
Brazil beryl	2	801	1	-		-		_		_		_		_		-		_
Brazil topaz	2	ł	ł	_	ľ	_	İ	_	l	_	1	-		_	1	_	1	_
·	2	1	1	_	1	_	}	_	ł	-	1	_		_	ł	_		-
Brazil tourmaline	Ľ]	L		L		L		L		L			<u> </u>	1_	

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Substance Name	Co	ermel riduc- vity		ecir. eat		ls- vity		flec-		sorp-			[Di	ermel ffu- vity	8 i i		Exp	erme1 en-
	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	٧.	Page	٧.	Page
Brick, beuxite	2	901 902		-		-		-		-		-		-		-		-
Brick, celcined, Sil-O-Cel	2	896		-		-		-	ł	-		-		-				-
Brick, Carbofrax	2	897		-		-		-	1	-		-		~		-		-
Brick, Cerbofrex cerborundum	2	895		-		-		-	j	-		-		-		-		-
Brick, carbon	2	890 896		-		-		-		-		-		-		-		-
Brick, carsiat carborundum	2	895		-		-		-	Ì	-	ł	-		-		-		-
Brick, cement porous	2	890		-		-		-	l	-		-		-		-		-
Brick, ceremic	2	890	1	-		-		-	İ	-		-		-		-		-
Brick, chamotte	2	890		-	1	-		-		-		-	ł	-	ŀ	-		-
Brick, chrome	2	454 897 898	ļ	-		-		-		-		-		-		-		-
Brick, chrome fire	2	897		-		-		-		-		-		-		-		-
Brick, chrome magnesite	2	890		-		-	1	-		-		-		-	Ì	-		-
Brick, chromite	2	473 899		-		-		-		-		-		-		-		-
Brick, chromomagnesite	2	481		-		-		-	1	-		-		-		-		~
Brick, common	2	488 489 900 901	l	-		-		-		-		-		-		-		-
Brick, corundum	2	454 905		-		-		-	ļ	-		-		-		-		-
Brick, cupole		-	1	-			ŀ	-		-		-	10	570		-		-
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Brick, distomaceous	2	890 891		-	ĺ	-		-		-		-		-		-		-
Brick, distomaceous insulating	2	906 907		-		-		-		-		-		-		-	}	-
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Brick, Egyptian fire clay	3	491 901		-		-		-		-		-		-		-		-
Brick, fire	5	491 891 895 902 903	}	-		-		-		-		-	10	570		-		-
Brick, fire, Missouri	2	905	1	-		-		-		-	ĺ	-	1	-		-		-
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Brick, fire clay aluminous	2	900		-		-		-		-		-	1	-	ł	-		-
Brick, fire clay dense	2	903		-		-		-		-		-		-		-		-
Brick, fire clay superduty	2	890		-		-		-		-		-	1	-	1	-		-
Brick, fused alumina	2	897	1	-		-	}	-		-	1	-	1	-	1	-		-
Brick, Georgia fire	<u>2</u>	896	L	1-	L_	<u> </u>	<u> </u>		ᆫ		<u> </u>		L		L_			لــــا

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Brick, hand-burned face	2	891		-		-		-	Γ	-	Γ	-		-		-		-
Brick, high temp. Insulating	2	891	l	-		-		-		! -		-		-	1	-		-
Brick, high temp. insulating blast furnace	2	899		-	1	-		-		-		-		-		_		-
Brick, Hytex building	2	896		-		-		-		-	Ì	-	}	ł _		-		-
Brick, insulating	2	443 891		-	}	-	}	-	}	-		-	}	-		-		-
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Brick, kaolin fire	2	404 405 904	1	-		-		-		-		-		1		-		_
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Brick, lime sand	2	892		-				_		_	ļ	-	}	-	}	i -		-
Brick, magnesia	2	485 897 898		-		-		-		-		! -		. -		-		-
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Brick, Mica	2	892	1	-	1	-		-	1	-	[-	1			· -		. -
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Brick, porous	2	894	1	-		-		-		! -		; -		-	}	· -		-
Brick, porous concrete	2	894	1	-		-		-	}	-		-	1	-		t -	'	-
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Brick, red shamotte	2	405		-		-		-	}	-	}	-		-		· -	(-
Brick, refractory insulating	2	892		_	-	<u> </u>	}	-		-	1	-		-		-		-
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Brick, refrax, silicon carbide	2			-		-		-		-		-		; -	}	-	'	-
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Brick, shamotte	2	894 898		-		-		-		-		-		-		-		-
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Brick, silicon carbide	2	895	1	-	1	-		-	}	-	1	-		-	ł	-	1	-
Brick, silicous	2	492 902		-	ł	-		-	ļ	-	Ì	-		-	ļ	-		-
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Brick, slag	2	898		-	ļ	-		-		-	ł	! ! -		-	İ	-		-
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Brick, stillimanite refractory	2	902		-	ł	-		-	l	-	Ì	-	i	<u> </u>	1	-		_
Brick, super, Sil-O-Cel	2	1)	-	ł	-		-	l	-		-	l	-	l	-		-
Brick, tripolite	2	894	1	-	l	-	1	} -	}	-	Į	-	1	į –		-		-
Brick, vermiculite	2	894		-		-		-		-		-		-		-		-
Brick, white shamotte	2	405		-		-]	-	•	-	}	-		; -		-		-
Brick, zirconia	2	895	1	-		-		-		-		-		-		-		-
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Cadmium-magnesium intermetallic compound, Cd ₂ Mg		-		-		-		_		-		-		-		-	12	
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Cadmium sulfide, CdS	ł	· -	5	650	8	1181	8	1188		-	8	1194	l	-		-	12	122
Cadmium telluride, CdTe	١,	2167	5	720	8	1239	8	1241		<u>-</u>	8	1244		-		· _	13	124
Cadmium telluride + mercury telluride, mixture	╽,	1408		-		! -		-		! , -		-		. <u>-</u>		-		! -
Cadmium tin arsenide, CdSnAs ₂		-		_		-		-	İ			-		-		-	13	75
Cadmium zirconium oxide, CdO-ZrO ₂		. -		-		i - '		· -		-		-		-		-	13	60
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Calcium-lead intermetallic compounds	1	1271		-		-		-		-		-		-		-		-
Calcium magnesium carbonate, CaMg(CO ₈) ₂		-	5	1115		-	1	-		-		-	1	-		-		i - I
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Calcium-tin intermetallic compound, Ca ₂ Sn	١,	1273		-		-		-		-		-		-		-		i -

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Carbon dioxide-ethylene, mixture	3	369	1	-		-		-	1	-		i -		-		-		-
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Carbon dioxide-hydrogen chloride, mixture		_		_		_		-		 -		_		_	1,	501		-

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Carbon dioxide-hydrogen-oxygen, mixture		_		-	1	-		 -		-		-		! -	11	584		: ! -
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Carbon monoxide-ethylene, mixture	1	<u> </u>	}	<u> </u>	}	ļ -		-		-	l	-	1	! -	11	389	1	-
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Carbon + silicon carbide + zirconium boride, mixture		 -		-		-		-		-		; -	10	538		-		-
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Carbon tetrachloride-methanol, mixture	1	-	1	-	1	-		-		_	l	-	1	-	,,	510	1	-
Carbon tetrachloride-octamethylcyclo- tetrasiloxane, mixture		-		-		-		-		-		-		-	,,	399		-

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Chloromethane	٦]]	1				_		[_	1	_	1	_		_		_
1-Chloro~3-methylbutane	}	-	6s	22	l.	-		_		_		_	}	_				_
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1-Chloro~2-methylpropane	- [-	6s	22	{ :	-		-	{	-		-	}	_	11	140		_
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α-Chlorotoluene	1	-	6\$	22	l	-		~	}	-	}	} -	}	-		_		_
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Chromium, Cr				1		103 106	ł	113		118				!				ı
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Substance Name	Cor	ermai nduc- vity		scif. sat		is- vity		lec-		orp-	Tra	ens-	DI	ermel ffu- vity	.11	ty		97788) 980- 90
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Chromium alloys: (continued)	Γ																	
Cr + Ma	1	-	l	-		-		_	Ì	_		-		-		-	12	713
Cr + N1	1	525		-		} _		-		-		-		-		-	12	719
Cr + Ni, Vickers F. D. P.		-	İ	-	7	1221		-		~		-	l	-		-		-
Cr + Si	l	-	ŀ	-		- :		-		-	ŀ	-		-		-	12	721
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Cr + A1 + XX6	1	-	4	517		- !		-	1	-		-		-		-		-
Cr + Fe + ΣXi	1	944	4	520		-		-		-		-		-	[-	12	1060
Cr + Fe + ΣΧέ, aluminothermic chromium		-	4	520		-		-		- !		-	j	-		-		-
Cr + Fe + ΣXi, Rus≈lan, ferrochromium	1	945	4	520		-		-		-		-		 		! -		-
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Chromium + aluminum oxide, cermet	1	1419	ŀ	-		-	1	-		-		-		-		i -		-
Chromium borides:													Ì	;		į		
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CrB ₂	ļ	-	5	338	8	731		-		-		-		-		_	13	796
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Chromium~fron intermetallic compound, CrFe		-		-		-		-		-		-		! ! –		-	12	507
Chromium nitrides:	l		}			i		•								! 		
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Chromium oxides:	l											; ,	l	ļ				
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Chromium oxide + magnesium oxide + \$\tilde{\Sigma}\tilde{\chi}, mixture	2	473 480		_		-		-		-		-		 -		. –		-
Chromium oxide + titanium chromium compound, cermet		-		-	8	1 385 1 386	8	1390		-		-		. -		-		-
Chromium oxide + yttrium oxide powders		-		-	8	509 570		-		-		-		. -		-		-

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Substance Name	Co	ermai nduc-		ocif.		s-		flec-		огр-			ווס[ermal ffu-	V I :	sco~ ty	Exp	erma1
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Chromium silicides:	T		_		Г			-						-		-	\vdash	
cr\$1	ĺ	-	5	565	8	1140 1142		-		-		-		-		-	13	1211
CrSi a		-	5	568	8	}		-		-		-	ļ	-		-	13	1211
Cr _* S1		-	5	559	В	1139 1140	8	1144		-		-		-		-	13	1195
Cr ₃ SI ₂		_		_	В	1142 1140 1142		-		-		-		_		-	13	1211
Cr _e Sl _e	l	_	5	562		-		_	1	_		 		 -	1	_		_
Chromium telluride, CrTe	ĺ	_		_		_		_		_	1	-	ĺ	-		_	13	1248
Chromium tungsten oxide, Cr ₂ O ₂ ·WO ₂	l	-		-	l	- 1		_	1	_	ł	_		-		-	13	586
Chromium vanadium oxide, Cr ₂ O ₈ ·V ₂ O ₈	Į	_		-		-		_		-	ļ	_				_	13	595
Cinnamene	1	_	6s	84		-		-		-	1	-		-		-		_
Clay	ĺ	-		-		-		-		-		-	10	546		-		-
Clay, Ashkhabad	2	804 805		-		-	i	-	}	-		-	ĺ	_		-		-
Clay, Beskhudnikov	2	804		-		-		_		- :		-		-	}	_		_
Clay, chamotte	2	804		_		-		-		-		-		-		-		-
Clay, Dixie	1	-		-		-		-		-		-	10	546		-		-
Clay, fire	2	804		-		-		-		-		-		-		-		-
Clay, fire eluminous	2	489		-		-		-		-		-		-		-		-
Clay, fire light weight	2	403 404		-		-		-		-		-		-		-		-
Clay, fire pressed	2	403		-		-		-		-		-		-	Ì	-		-
Clay, Kuchin	2	804		-		-		-		-		- '	Ì	-	ĺ	-		-
Clay + magnesium oxide, mixture	2	374	1	-		-		-		-		-		-		-		-
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Coal, angren brown	2	808		-		-		-		-		-		-	ŀ	-		-
Coal, brown		-	İ	-	ĺ	-		-		-		-	10	35		-		-
Coal, donets gas	2	808		-		-		-		-		-		-		-		-
Coal, donets anthracite	2	808		-		-		-		-		-		-		-		-
Coal, gas		-		-		- [-		-		-	10	22 35		-		-
Coal, ter fractions	2	1158		-		- [-		-		-		-		-		-
Coating, acrylic on:					1													
Aluminum substrate		-		-		1108	9	1110		-		-		-		-		-
Aluminum oxide substrate		_		-	9	1109		-		-		-		-		-		-
Coating, alkyd on aluminum substrate		-		-		-	9	1111		-		-		-		-		-
Coating, aluminum on:	1																	
Aluminum substrate		-		-	9	580		592	9	610		-		-		-		-
Copper substrate		-		-		-	9	594		_		-		-		•		-
Epoxy substrate		-		-			9	602	9	610		-		-		_		-
Fabric substrate	L_		نـــا	-	9	586	لـــا	-		-					لـــا	_		

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Substance Name	Co	ermai nduc- vity		ecif. eat	Em siv	la- /ity		Flec-	Abs	orp-		ens-	Di	ermal ffu- vity	*			91786 1 1
	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	٧.	Page
Coating, aluminum on: (continued)																		
Glass substrate		-		-	{	-	9	591 602 607		-		-		-		-		-
Iron substrate		-		-	9	580		-		-		-	}	-		-		 -
Lacquer substrate	- }	-	}	-	1	-	9	600		-	}	-		-	1	~	1	-
Mylar substrate	- (-	l	-	9	580	9	592	9	609	ł	-	l	-	1	-	l	-
Polyester substrate	}	-		-	9	580		-		-		-		-		-		-
Polyurethank substrate	-}	-	ł	-	ł	-	9	602	}	-	}	-	}	-	1	~		-
Quartz substrate	}	-		-	9	581	9	592 602		-		-		-		~	1	-
Silven substrate	1	-	{	-		-	9	603				-	ļ	-	1	-		-
Stainless steel substrate		-		-	9	580	9	602	9	609 612		-		-		-	}	-
Teflon substrate		-		-	9	586		-	9	610		-	}	-		-	1	-
Coating, aluminum + magnesium on glass substrate	}	: -		-		-	9	613		-		-	{	-		-		-
Coating, aluminum oxide on:	j	1					1				Ì			İ	l	1	1	
Aluminum substrate		-		-	9	785	9	794 796 799 800	9	803		-		-		-		-
Gold substrate	1	-		_	1	-	l	-	9	803	ł	-	l	-	1	-	l	 -
Inconel substrate		-	l	-	9	788 792		-		-		-		-		-		-
Mild steel substrate		-		-	9	788 792		-		-		-		-		-		-
Molybdenum substrate		-	{	-	9	785 788	9	796	9	803		-		-		-		-
Nimonic 75 substrate	Į	-		-	9	788		-		-		-	ļ	-	•	-		ļ -
Niobium substrate	1	-	ĺ	-	9	785	1	-		-		-		-		-		-
Silicon monoxide substrate	Ì	-	Ì	-	İ	-	9	1077		- 1		-	1	-	ł	-		-
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Unknown substrate	1	-		-		-		-		-	9	807		-		-		-
Coating, aluminum oxide + aluminum titanate on Nb-1Zr substrate	1	-		-	9	808		-		- ,		-		-		-		-
Coating, alundum on nichlum substrate		-] -	9	785	j	-		-		-		-		-	1	-
Coating, AN-L-29 on:	1		}					}			})		[
Aluminum substrate	1	-		-	1	1124	1	-	1	1127		-		-		-	[-
Dow metal substrate		-		-	9	1124	ĺ	-	9	1127		-		-	{	-	(} ~
Coating, AN-TT-V-116 on:	}						ļ		_				1		Į	}	1	}
Aluminum substrate	1	-	1	-		1124	}	-	1	1127	1	-	1	-	1	-		-
Dow matel substrate		-	{	-	•	1124	•	-	۱°	1127	}	-		-	1	-		-
Coating, anodized aluminum on stainless steel substrate		-		-	}	-		-	9	1226 1230 1231		-	1	-		-		-

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Substance Name	Co	nduc- vity		eat		la- vity		Flec-		sorp-			DI	ermai ffu- vity) ii	ty		ermei pan- on
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Coating, antimony on:	T				Γ								Γ					
Aluminum substrate] -		-		-]	-		-	9	615		-		-		-
Glass substrate	1	-		- '		-	9	614		-		-		1 -		-		-
Stilbene substrate		-		- '	1	-	ĺ	-		-	9	615	ĺ	-		- '		-
Sb + Cu	1	495		-		-	l	-		-	1	-	10	227		 		-
Coating, antimony black on:	1	ĺ			l					Ì	İ				ŀ	į .		
Celluose nitrate substrate	1	-		-		-		-	l	-	9	1172		-		-		-
KRS-5 substrate	1	-	}	-		-		-	1	-	9	1172	l	! - !		-		-
Coatings, applied, nonmetallic	2	1009		-		-	j	-		-		-		-		! - !		-
Coating, bakelite lacquer on unknown substrate	Ì	-		-	9	1112		-		-		- -		-		-	'	-
Coating, barium fluoride on zinc selenide substrate		_		-		-	9	810		-	9	812		-		-		· -
Coating, barium + strontium on nickei substrate		-		-	9	616		-		! -		-		-		! - !		-
Coating, barium titanate on:		!								; ;				;	i			1
Aluminum substrate	1	: -	ļ	-	9	815		-	9	818		-		-	i	-		-
Nb-1Zr substrate	1	-		-	9	815 817		-		-		-		· -		! -	['	-
Coating, bismuth oxide on glass substrate	1	- '		_		-	9	820	1	ĺ -	9	823		-	!	! -		-
Coating, black nickel on copper substrate		-		-	9	700		-		-		- -		-		. - '		! -
Coating, boron on Nb-1Zr substrate		-		-	9	826		-		-	İ	-	l	- !		-		-
Coating, boron carbide on:	1	! !							l	:	ŀ							
[nconel X sub#trate	1	-		<u> </u>	9	829	9	832		· -	}			_!	1	-	,	. ~
Molybdenum substrate		! -			9	827		-	ŀ	: -		-		-		-		_
Coating, butyl acrylata on anodized aluminum substrate		-		-		-	9	1114		-	i	-		-		-		-
Coating, butylated melamine formaldehyde on anodized aluminum substrate		-		-		-	9	1116		-	i	- -		· -	:	-	i	-
Coating, butylated ures formaldehyde on anodized sluminum substrate		: -		-		-	9	1118		-		-		_	:	-		_
Coating, butylated urea formaldehyde on aluminum substrate		: -	,	-		-	9	1118		-		-		-		-		-
Coating, cadmium arsenide on glass substrate		-		-		-		-		-	9	836		-	1	-		-
Coating, cadmium sulfide on aluminum and glass substrate		-		-		-		-		-	9	840		-	i	-	1	_
Coating, cadmium oxide on glass substrate	ļ	-		-	,	-		-	,	-	9	838		-		-]		~
Coating, calcium on glass substrate]	-		-	ļ	-	i	-		-	9	617	!	-	!	-		-
Coating, calcium titanate on:	}		'		'		1	ł			!				. !			
Aluminum substrate		-		-	9			- [9	850		-	,	- [_ [1	-
Beryllium substrate		-		-	9		,	-	'	-		-		-		-	1	-
Niobium substrate	1	-		-	9	843 849		- 1	1	-		-		-	i	-	ł	-
Nb~1Zr substrate	1	-	!	-	9	843		-		-		-		-	i	-		-
Stainless steel substrate	1	_		_	9	843		- 1	١ ;	-		-	,	_]	- 1	_		-

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Substance Name	Cor	nermel onduc- ivity		ecif.	[Em1	ils- vity		fiec- vity		sorp-			וס	hermal iffu- ivity	9 i			tperma1 on
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Coating, carbon on:	7												T					
Aluminum oxide substrate	-	-		-	9	854	1	-		-		-		-		-	1	-
Brass substrate	1	-		-	1	-	9	859	1	-		-		-		-	1 ,	-
Copper substrate		-		-	9	852 857		859		-		-		-		-	'	-
Molybdenum substrate	-	-		_	9	852	. '	-	9	862	2	-		-		-	1	-
Pyroxylin substrate	}	-		-		-	1	-		-	9	861	4	-		-	1	-
Silicon dioxide substrate	}	-		-	1	-	9	859	·	-		-		-		-	1	-
Silver substrate		-		-		-	9	859	·	-		-		-		-	1	-
Tantaium substrate		-		-	9	854 855		-	1	-		-		-		-	'	-
Coating, carbon dioxide on stainless steel substrate		-		-		-	9	864		-		_		-		-		-
Coating, cat-A-Lac clear on polyethylene substrate		-		-	1	-		-		-	9	1122	2	-		-	1	-
Coating, cerium dioxide on:			1	'	1	1	('	1									1	1 1
Nimonic 75 substrate		-		-	9			-		-		-		-		-	}	-
Tungsten substrate		-		-	9	868 872		-		-		-		-		-	1	-
Coating, chromium on:	1			'		!	1	'	1	1							'	1 1
Copper substrate	1	-		-	9	618	1	-	1	- '		-	ĺ	-		-	1	- 1
Glass substrate		-		-	1	-	9	621		-		-		-		<u> </u>	1	-
Monel substrate	-	-		-	9	618		-	1	-		-		-		-	1	-
Nickel subscrate	}	-		-	1	-	9	621	9	626 627		-		-		-		-
Silver substrate	-	-		-		-	9	621	1	j - ,		-		-		-	1 '	{ - }
Stainless steel substrate		-		-	9	619	9	621 624		-		-		-		-		-
Coating, chromium + aluminum oxide + ΣΧέ on inconel substrate		-		-	9	629		-		-		-		-		-		-
Coating, chromium black on:				,		1		'	1	'		'		i '			1	1
Aluminum substrate		-		-	1 '	1173		-	('	-		-		-		-	1 '	-
Copper substrate	-	-		-	1 1	1173	1	-	1	-		-		-		-	1	-
Stainless steel substrate		-		-	9	1173	1	-	,	-		-		-		-	1	-
Coating, chromium carbide + cobait on Armco iron substrate		-		-	9	873		-	9	874		-		-		-	1	-
Coating, chromium oxide on:	1	1 '		'		į 1		1	1		1			,			1	i)
Aluminum substrate	1	-		-	9		1	-	1	-	1	-		-		~	1	-
Niobium substrate	1	-		-	9	876		-	1	-		-		-		-	1	-
Coating, chromium oxide + silicon dioxide + ΣΧί on:		'		1	1		1	'									'	
[ncone] substrate	1	-		-	9	1	1 1	-	1	-		-	1	-		-	1	-
Molybdenum substrate		-		-	9	878 883		-	'	-		-	1	-	1	1	1	-
Niobium substrate		-	'	-	9	878 885		-	('	-		-		-		-	1	-
Stainless steel substrate		-		-	9	! !	1 1	-	'	-	'	-		-	1	-		-
Steel substrate		-	1	-	9	881		-		-	1	-	1	-	1	-	1	-

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Coating, chromium oxide + silicon dioxide + XXi on: (continued)											1	<u>_</u> _						
Titanium 6A1-4V substrate		-		-	9	881 883		-		-		-		-		-		. -
Coating, cobalt on:	-					 - -					}		'					
Glass substrate	1	-		j -	1	-	9	632		-	9	634	ļ	-	1	-		-
Platinum substrate		-		-	9	631		-	9	633		-		-	1	-	1	-
Stainless steel substrate	İ	, -		<u> </u>	9	631	9	632	1	-		-		-		-	l	-
Coating, cobait oxide on:	1		l	-		:	l	:	l		l						1	
Silver substrate		-		-	9	887		-		-		-		-		-		-
Tantalum substrate		· _		-	9	887 888	}	-		-		-		-		-		-
Coating, cobait + tungsten on inconel X substrate		: -		-	9	636	9	639		-		_		-	}	- !		-
Coating, copper on:			}		ł	;	l										ł	
Epoxy substrate	ł	-	1	-	Į	. -	9	643		-		-	Į	-		-	,	-
Glass substrate		-	ļ	-	ļ	-	9	642	ļ	-	9	644		-		-	l	-
Polyurethane substrate		-				- !	9	643		-		-	1	-		-		-
Coating, copper oxide on:					1	ļ			İ		1		ĺ		:			
Nickel substrate	İ	-		-	9	891	ŀ	- !		-		_	1	-		-	l	-
Silver substrate	1	' -	l	-	9	891		-	l	-	l	_	ļ	-		-	i '	-
Stainless steel substrate	ļ	· -		-	9	890		-		-		-) .	-		-		-
Coating, copper + tin on:									İ.				1					
Glass substrate		; -		-	[]	-	9	645	1	-	İ	-	[-	١.	_	Ι.	_
Steel substrate	1	-		_	,	- '	9	645	1	-	l	-	1	-		-	,	_
Coating, copper phosphorous selenide on fluorite substrate		· -		-		-	9	892		-	9	893		_	1	-	:	_
Coating, copper sulfide black on copper substrate	[_		_	9	894		-		-		_		_		-		_
Coating, Corning 7940 on silver substrate	1	-	l	-	9	1049	9	1054	9	1072		_		-	,			-
Coating, cymel 405 on quartz substrate	1	-	ĺ	_	1	_	!	- '	9:	1130	[]	-	1	-	i	-		-
Coating, diacetyl cellulose on varnish substrate	İ	_		_		_		_		_	9	1119	!	_		_		_
Coating, Dow 7 on magnesium substrate	1	-	ĺ	_	9	1274		_		_	į	_	!	_	!	_	1	-
Coating, Dow 15 on magnesium substrate	1	-	ŀ	_	9	1274	,	_	9	1275	1	_	:	_	1	-		_
Coating, Dow 17 on magnesium substrate	1	-	ł	-	9	1274		_	9	1275		_		_	I	_		_
Coating, Dow Corning 6510 on										_								
aluminum substrate Coating, dry ice on cat-A-Lec		- 		-		-		1159		-		-		-		-		-
black substrate	İ	-		-		-	9	864		-		-		-		-		-
Coating, dry ice on stainless steel substrate 		-		-		-	9	864		-		-		-		-		-
Coating, Dutch Boy quick drying ename: on aluminum substrate		-		-		- !	9	13		-		-		-	i	-		-
Coating, elvanol on fiberglass substrate	1	-	l	-	1	-	9	1145	9	1146	1	-		-		-		-

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Coating, epoxy on:	1	<u> </u>	T		1												\sqcap	
Aluminum alloy substrate		-		-	9	1120	•	-		-		-		-		-		-
Polyethylene substrate		} -	}	-	}	} -		-	1	-	9	1122		-		-		-
Coating, fasson foil on copper substrate	1	-	ł	-	l	-	9	594		-	l	' -	1	-	ĺ	-		- '
Coating, FCZ-11 on Nb-1Zr substrate		-		-	9	1024 1028		-		-		-		-		-		- I
Coating, flight data of space vehacles;	1	((ļ		1			((1	i	
Lunar orbiter I	1	-	l	-		-		-	9	394		-		-		-		-
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Lunar orbiter IV	}	-		-		-		-	9	281 393		-		-		-		-
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Pegasus I	1	_		-		_		_	9	394		_		-		- 1		_
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Coating, germanium on:	1	()								l								1
Calcium fivoride substrate	1	-		-		-	9	647		-		-		-		- 1	ĺĺ	-
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Lithium fluoride substrate	1	-		-		-	9	647		-	9	650		-		-		-
Coating, glass on aluminum substrate	1	-		- '		- !	9	1035	9	1036		- '		- 1		ı - ¶		- }
Coating, glass on silver substrate	ı	-		-		-	9	1035		-		-		-		-		-]
Coating, glyptal, clear on aluminum substrate		-		-		-	9	1111		-		-		-	. }	-	}	_
Coating, gold on:	ļ																	1
Aluminum substrate	1	-		-	9	652		-		-		-		-	. [-		-
Aluminum alloy substrate	1	-		-		-	9	666		-		-		-		-	,	-
Cerium oxide substrate	1	-		-	9	656		-		-		-		- 1		- {	i	-
Copper substrate	1	-		-	9	651		-	9	675		-		-		-		-
Dow 17 substrate	1	-		-	9	660		-		-		-		-		-		-
Epoxy aubstrate		-		-		-	9	672		-		-		-		-		-
Fiberglass substrate		-		-	9	651 660		-		-		-		-		-		-
Glass substrate		-			9	656	9	664		-		-		-		٠		ا ت

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Substance Name	Co	ermal nduc- vity		ecif.	Em.	s- /ity		Flec-				ens~ ssiv.	DH	ermai ffu- vity	\$ i i	ty		ermal can- cn
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Costing, gold on: (continued)	\top						Г				Г							
Incomel X substrate		_		_	9	656	ļ	_		_		_]	_		_		_
Magnesium substrate	- }	_		_	9	660		_		_		_		_]_	}	_
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My ar substrate		_	l	_	9	651		_	9	675	l	_	Į	_		_ `		-
NBS ceramic A418 substrate	- 1	_		_	9	656		_		_		-	ļ	_		-		_
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Titanium substrate	- [-		- [9	660	9	665		- '	ĺ	-		- 1	1	-		-
Coating, gold + palladium + ΣXi on glass substrate		-		-		_	9	683		-		_		-		-		-
Coating, gold + silver on:	-							!										
Copper substrate	- 1	-		-	9	651	ł	-	9	675		-		-		-		-
Stainless stee! substrate	ı	-		-	9	651	ł	-	9	675	Ì	-		-				-
Coating, gold black on:	ı					1			l									
Callulose nitrate subatrate		-	ĺ	-		-	9	1175	9	1178	9	1181		- !		-		-
Brass substrate	- 1	-	Ì	-	Ì	-	9	1175		-		-		-		-	İ	-
Glass substrate	- (-		_		-	9	1175		-	9	1182	ĺ	-		-		-
Coating, gold black + copper black on sodium chloride substrate		-		-		-		-		-	9	1185		-		-		-
Coeting, gold black + nickel black on sodrum chloride substrate		-		- '		-		-		-	9	1187		-		-		_
Coating, graphite on:																		
Aluminum oxide substrate	- }	-		-	9	854		-		-		-		-				-
Brass substrate	- 1	-		~		-	9	859		-		-		-		- 1		-
Copper substrate		-	֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	_	9	857		-		-		-	<u>ו</u>	-		- 1		-
Sillcon dioxide substrate	1	-		~		-	9	859		-		-		-		_		-
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Costing, hafnium oxide on:	- 1								ŀ									
Quantz, fused, substrate	İ	-		-		-		~	l	-	9	897		-		_		-
Tungsten substrate		-		-	9	895 896		-		-		-		-		^		-
Coating, hanovia liquid gold on:]																
Ceramic tile substrate	-	} -		-		-	9	672		- !		-		-		- 1		-
Glass substrate		-		-	9	656	9	664		-		-		-		-		-
Income! X substrate		-		-	9	656		-		-		-		-		-		-
Molybdenum substrate)	-	•	-	9	651		-		-		-		-		-		-
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Coating, hanovia liquid palladium on glass substrate		-		-	П	-	9	683		-		-		-		-		-
Coating, hanovia liquid platinum on ceramic tile substrate		-	'	-		-	9	724	1	-	'	-		-		-		-
Coating, Hastelloy on stainless steel substrate		-	1	-	9	717		-		-		-		-		-		- !
Coating, Haynes LT-1, LT-18 and LT-2 cermets on income! substrate		-		-	9	629 774		-		-		-		-		-		-
Coating, Hughes H-2. titenium dioxide pigment in potessium silicate binder		-	1	-	9	214		-	9	275 281		_		-		-		-
Coating. Hughes H-10, china c ay pigment in silicone resin binder		-		_	9	95	9	97	9	98 100		-		-		-		-
Coating, indium arsenide on glass substrate	ا،	-	'	-	1	-	('	-	1	-	9	899	1	-		-		- '
Coating, inidium on glass substrate	Ì	- '		-	1	-	9	1 1	1	-	9	1	1	-		-		- '
Coating, From on glass substrate		- '	•	- '	'	-	9	687		-	9	688	1	-		-		- 1
Coating, Iron exide on:				1 '	1	1 '	('	1	'	,								'
Aluminum substrate		-	1	-	'	-	9		1	-		-		-		-		- '
Gold substrate		-		-	1	-	9	903	'	-		-		-		-		- '
Haynes alloy 25 substrate		-		-	9	900 901		-	1	- '		-		-		-		-
Coating, From titemate on:				}	1	1		1	'			}	-					}
Beryllium substrate		-		-	9	905	1	-	1	-		-		-		-		- '
Nb-1 Zr substrate		-	{	-	9	905	1	-	1	-		-		-		-		} - '
Stainless stee! substrate		-		-	9	905	('	-	1	-		-		-		-	1	- '
Coating, from titanium aluminum oxide on Nb-1Zr substrate		-		-	9	909 911		-	'	-		-		-		-		- '
Coating, jet dry hlack No. 78 on aluminum substrate		_		-	1	_	9	519		_ '		_		_		_		'
Coating, kapton on aluminum substrate		-		-		-		1037	9	1041		-		-		-		- '
Coating, krylon on aluminum substrate	1	-		-	'	- '	9	526	,	- '		-		-		-		- '
Coating, krylen on anodized a'uminum substrate		-		-	9	1109	9	526	,	-		-		-		-		-
Coating, lacquer on:					1				•									
Aluminum ailoy substrate		-	}	-	9	1124	4	-	9	1127	1	-		-		-		-
Copper substrate	}	-		-		-	9	1125	-	-		-		-		-		-
Dow metal substrate	1	-		-	9	1124	1	-	1	1127	[-		-		-		-
Quantz substrate	1	-		-		-		-	9	1126	9	1129	4	-		-		-
Steel substrate		-		-		-		-	9	1126	4	-		-		-		-
Coating, isminar X-500 on:	1					1	1	}						}				
Aluminum substrate		-		-		-	9	1138		-		-		-		-		-
Polyethylene substrate		-		-		-		-		-	ģ	9 1143	3	-		-		-
Coating, lanthanum antimonida on glass substrate		-		-		-	9	689	,	-		-		-		-		-

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Coating, lead chioride on germanium substrate		-		-		-	9	912		-		-		-		-		-
Coating, lead molybdenum tetraoxide on:					ĺ								1		ĺ	i		
Glass substrate		-		 -		-	9	913		-		-	l	-	l	-		-
Potassium bromide substrate		-		-	}	-	9	913	}	-	}	-		-	Ì	-		-
Coating, lead + tin on copper substrate		-		-	9	690	İ	-	9	691		-		-		-		-
Coating, liquid platinum on:	ļ							i								1		
Ceramic tile substrate		-		-		-	9	724		-		-	ĺ	-		-		-
Glass substrate		-	1	-	9	722		-		-	l	-	l	-		-		-
Quartz substrate		-	1	-		-	9	724		-		-	l	-		-		-
Coating, lithium fluorids on:							ļ]								
Aluminum substrate		-		-	ł	-	9	1090		-		-		-		¦ -		-
Glass substrate		-		-	ĺ	-	9	1090		-		-		-		-		-
KRS-5 substrate		-		-		-	1	-	Ì	-	9	1092	1	-	}	-		-
Coating, magnesium + aluminum on glass substrate		-		_		-	9	693		-	:	-		-		 -		_
Coating, magnesium aluminate on:	l		l										ŀ			ļ		
Aluminum substrate		-		-	9	915		-	9	918		-	ŀ	-		-		-
Nb-1Zr substrate		-		-	9	915 917	ļ	-		-		_		-		-		-
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Coating, magnesium fluoride on: Glass substrate	ĺ			_		_	١.	1096		_	١.	1105	ĺ					_
Iron oxide substrate	1	-		_	١.	1093	ŀ	1096	١.	1103]	1105	1	! _	l]]		_
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Platinum substrate	ļ	_		-	ļ		1	1098	Į.	1101	l		ļ	-		-		-
Quantz, fused, substrate		-		-		-	"	1096 1098	٩	1101	"	1105	1	_		_		_
Silicon dioxide substrate		-		-		-	9	1096 1098	9	1101	9	1105		-		-		-
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Coating, magnes tum on glass substrate		-		-	İ	-	9	692		-		-	ľ	-	ĺ	-		-
Coating, magner um oxide on:					ŀ							{	l	İ	ł	}		
Aluminum substrate		-		-		-	9	924		-		-		-		-		-
Black paint substrate		-		-		-	9	924		-] -		-		-		
Nimonic 75 substrate		-		-	9	919		- '		-		-		-		-		-
Coating, manganese on glass substrate		-	(-	1	-	9	694		-	9	695		-	l	-		-
Coating, melamine formeldehyde on quartz substrate		-		_	ľ	-		-	9	1130		-		-		-		
Coating, Metco XP-1103 on Armco Iron substrate		-		-	9	696		-	9	697		-		-		-		-
Coating, Matco XP-1106 on Armco Iron substrate		-		- ,	9	764		_	9	772		-		-		-		-
Coating, Metco XP-1109 on Armco Fron substrate		-		-	9	673		-	9	674		-		-		-		-

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Coating, Metco XP-1110 on Armco Iron substrate		-		-	9	995		-	9	996		-		-		-		-
Coating, Metco XP-1114 on:	}				}							1	1		}			ļ
Niobium substrate	l	-		-	9	981 984		-		' - 		-		-		-		-
Stainless steel substrate		-		-	9	981		-	(-		-		-	(-		-
Coating, Matco XP-1121 on:	ĺ	ļ			1		İ		1	<u> </u>					1		l	1 1
Nb-1Zr substrate		-		-	9	994	İ	-	1	-	l	-		-		-		-
Stainless steel substrate		-	•	-	9	994		-		-		-	1	-		-		· -
Coating, molybdenum conversion		-		-	9	1331 1333 1335 1337	9	1342	9	1 345		-		· -		-		_
Coating, molybdenum dislilicide on:										[:		<u>.</u>	ļ	!		
Bronze substrate		-	}	-	9	928		-		i -		-		, -		-		-
Molybdenum substrate		-		-	9	927 928 929		-		-		-	l	-				-
VM-1 molybdenum substrate	1	-	l	-	9	927		-	ł	¦ -	ł	-	ł	-		-	1	-
Coating, molybdenum on Armco Iron substrate	l	-	l	-	9	696		-	9	697	ł	-	ł	-		-		-
Coating, molybdenum sulfide on Inconel X substrate		-	ĺ	-		-	9	930	l	-		-		-		-		-
Coating, mylar on aluminum substrate	١	-	l	-	9	1042	1	-		-		-	ĺ	-	ĺ	-		-
Coating, NBS A-418 on Income! substrate		-		-	9	455 459		-		-		-		-		-		-
Coating, NBS A-418 on stainless steel substrate		-		-	9	455 459		-		-		-		-		-		-
Coating, NBS N-143 on Inconel substrate		-	ļ	-	9	445 448		-	Ì	-		-		-		-		-
Coating, NBS N-143 on stainless steel substrate		-		_	9	445 448		-		-		-		-		-	j J	-
Coating, neodymium on fused quartz substrate		-		-		-		-		-	9	698		-		-		-
Costing, nickel on:	l	_		_	,	700	,	702		_	İ	_	ļ	_	1			_
Copper substrate	l			_	,]		1	_		_		1_	1	_		
Epoxy substrate	ł			_	٦	_	,	704		_	}	_		_	1	_		_
Polyurethane substrate	1	_		_	9	700	۱	-	-	_	ĺ	_		-		-		-
Steel substrate Costing, nickel sluminide on Inconel substrate		_		_	9	706		_			1	_		_		_		_
Coating, nickel chromate on Nb-12r substrate		-		_	9	932	Ì	_		_		_		_		_		_
Coating, nickel + chromium on Inconel X substrate		_		_	9	709	9	712		_		-		-		-		-
Coating, nickel + chromium + EX4 on Hastelloy X substrate		-		-	9	707		-		-		-		-		-		-
Coating, nickel + cobelt on steinless steel substrate	1	-		-	9	715	,	716		-		-		-		-		-
Costing, nickel + molybdenum + EXG on stainless steel substrate		-		-	9	717		-		-		-		-		-		-
Coating, niobium + titanium conversion	L	-		-	9	1350		-		-	L	<u> </u> -	L	-	L	-	1_	<u> </u>

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Costing, niobium + zirconium conversion	Ť	-	r	-	-	1352	┞	_	Γ	-	<u> </u>	-	Г	-	-	-		-
Coating, nitrocallulose on copper substrate		_		-	9	1131		-		-		-				-		-
Coating, nylon on stainless steel substrate		-)	-	}	-	9	1132		-		-		-		-		-
Coating, optical black, Jersey standard	1	-		-	9	577		-		-		-		-	ł	-		-
Coating, Owens-Illinois 650 on aluminum substrate		-		_		-		_	9	1167		-		- :		-		-
Coating, pack camentation on:			ļ				•								İ			
Molybdenum substrate	İ	-		-	9	1333	9	1342	Ì	-		-		-	l	-		-
Niobium substrate		-		-	9	1347 1348	9	1349		-		-		-		-		-
Tentenium substrate		-		-	9	1353 1355	9	1358	}	-		-		-		-		-
Titanium substrate		-		-	9	1359 1360	9	1362		_		-		-		-		-
Tungsten subatrate	}	-	}	-	9	1363 1364	9	1 365		-		-	}	-		-		-
Coating, palladium on	}										ļ							
Glass substrate		-		-	9	718	9	720	ŀ	-	9	721		-	l	-		-
Inconel X substrate	1	-		-	9	718		-	}	-	}	-		-	}	- 1	. !	-
Silicon substrate] -		-		-	9	720		-		! -		-		¦ -	i	-
Coating, platinum on:	}								ŀ			ļ ļ					i	ļ
Ceramic tile substrate		-		- '		-	9	724		-		-		-		{	!	-
Glass substrate	ĺ	-		-	9	722		-	Ì	-		-		-		-	. :	-
Quantz, fused, substrate		-		-		-	9	724	9	727	9	728		-		- }	: !	-
Costing, platinum black on unknown substrate		-		_		_	9	1188		-		-	!	-		_	1	-
Costing, polybutadiene on tin oxide substrate		-				-				-	9	1134		-		- }		-
Coating, polyester on:	1	į l											,		1	}		
Aluminum substrate	}	-		-		1135		-		-		-	,	-		-]	1	-
Gold substrate	}	-		-	9	1135		-		-	'	-		-		-	:	-
Coating, polymide fluorinated ethylene propylene on silver substrate		-		-	9	1133		-		-		-	,	-		-	,	-
Coating, polystyrene on glass substrate		-		-		-	9	11 36 1137		-		-		-		-		•
Coating, polyurethane on:	}															}		ļ
Aluminum substrate		-		-		-	9	1138 1140		-		-		-	:	-		-
Polyethylene substrate		-		-		-		-		-	9	1143		- (-		-
Stainless steel substrate		-		-		-	9	1140		-		-		-		-)	-
Coating, polyviny: alcohol on fiberglass substrate	}	-		-		-	9	1145	9	1146		-		-	j	- }	!	•
Costing, polyvinyl butyral on quantz substrate		-		-		-		-	9	1147		-		-		-	1	_
Coating, polyvinyl chloride on:						}	ا ا ب				!		ı		1	}		
Aluminum substrate		-		-		-	·	1150	!	1154	į	-	;	-	i	-		-
Fiberglass substrate	1_	<u> </u>				لــــــــــــــــــــــــــــــــــــــ	9	1150	9	1152	_	لت	ليا	لـــــا	_	لت		لت

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	_	Page	v.	Page	┢	Page	_	<u> </u>	⊢-	Page	y.	Page	-	Page	v.	Page	┢━	Page
Coating, polyvinyl chloride on: (continued)						_									Г			
Nylon substrate		-	l	-		-	9	1150	9	1152	ŀ	-	1	-		-		-
Coating, polyvinylidena chloride on silicon substrate		-		_		- '		-		-	9	1155		-		-		-
Coating, potassium bromids on platinum substrate		-		-	9	934		-		-		-		-		-		-
Coating, potassium chiorids on lithium fluoride substrate		-		-		-		-		-	9	935		-		-		-
Coating, potassium iodide on lithium fluoride substrate		_		-		- '	9	936		-		-		-		-		 -
Coating, potassium silicats on:						!			1		(-				
Aluminum substrate		-		-		-	9	937 1044	ĺ	-		-		-		-		-
Quantz substrate		-		-		-	1	-	9	938	}	-		-		-		-
Coating, potassium tantalate on											İ					İ		
Gold substrate		-	1	-		-	9	1045		-	(-		-	ĺ	-		-
Platinum substrate		-		-	ſ	-	9	1045		-	ĺ	-		-		ļ -		-
Coating, PRF-6 MoSi _a on molybdenum substrate		-		-	9	929 1331		-		-		-	ĺ	-		-		-
Coating, Rhodium on:		 							•	[1	1			
Inconel X substrate		-		-	9	730		-		-		-		-		-		-
Stainless steel substrate		-		-	9	729		-	9	731		-		-		<u>'</u> -	1	-
Coating, rokide A on:			l	İ	Ì				l					1		! 	1	ĺ
Inconel, oxidized, substrate	l	-		-	9	792		-	1	-	l	-	1	_		i -		-
Molybdenum substrate	ŀ	-		-	9	788	9	796	9	803	1	-		į -		-)	-
Stainless steel substrate		-		-	9	788 790	9	796	9	805		-		-		-		-
Coating, rokide C on:			l		l		ł								ł			
Inconel substrate		-	l	-	9	885	1	-	l	-		-		-	ł	-		-
Molybdenum substrate		-		} -	9	878 883		-		-		-		-		-		-
Niobium substrate		-		-	9	878 885		-		-		-		-		-		-
Stainless steel substrate		-		-	9	878		-		-		-		-		! -		-
Steel substrate		-		-	9	881 885		-		-		-		-	1	-		-
Titanium 6Ai-4V substrate		-		-	9			-		-		-		-		-		-
Coating, rokide MA on:																<u> </u>		! !
Aluminum substrate	1	-	l	-	9	915	l	-	9	918		-		-		-		! -
Nb-1Zr substrate		-		-	9	915 917	l	-		-		-		-		i -		-
Coating, rokide ZS on:																		
Aluminum substrate		-		-	1	1024		-	9	1030		-		-	ĺ	-		-
Nb-1Zr substrate	1	-		-	1	1024	1	-		-		-		-	ĺ	-		! ~
Stainless steel substrate		-		-	9	1024 1026	9	1029		-		-		-		-		-
Coating, RTV-602 on aluminum substrate		-		-	9	1156	9	1159	9	1164		-		-		! -		-

Substance Name	iTh		I		₹			adiat					! —		i		! ~	
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Coating, rokide Z on 321 stainless steel substrate		-		-		1011	Γ	1018		-		-		-		-		-
Coating, rubidium iodide on lithium fluoride substrate	-	-		-		-	9	940		-		-		-		-		_
Costing, SR-111 on silver substrate	-	-		-		-	9	1163		-		-		-		-		-
Coating, SY-627-119 on stainless steel substrate		-		-		-	9	1140		-		-		-		-		_
Coating, sapphire on:	- }	}		1	\	}		}							}			ļ
Aluminum substrate		-		-	9	785	9	794 796 800	9	803		-		-		-		-
Gold substrate		-		-	}	-		-	9	803	}	-	}	-	}	-	}	-
Silver substrate		-		-	9	785 788	9	796	9	802 803		-		-		-		-
Stainless steel substrate		-		-		-		-	9	804		-		-		-		_
Coating, selenium on:	1	}									١.	043				_	1	ļ
Germanium substrate	- }	-] -		_	}	_		_	9	943		-		-		
Pliofilm substrate	-	-		-				- !		-	9	943 943	}	_ '		-		-
Silicon dioxide substrate	ł	-	l	-	1	_	1	_	1	-	"	943	1	-	l	-		. -
Coating, silicon on:	Ì		l				١.	4450	١.	1164	ł	_		_	1	} _		
Aluminum substrate	-	-	{	-	9	1156	"	1159	, ,	1167	ļ	-		-	1	-		-
Dow metal substrate	l	-		-	9	1156		-	9	1164		_		-		-		-
Mild steel substrate		-	}	-	9	1156		-	9	1164	ł	-		-	1	i -		-
Silver substrate	İ	-	ĺ	-		-	9	1163		-	}	-	}	-	ł	i -	}	-
Stainless steel substrate	- [-		-	9	1156		- 1	9	1164		-	1	-		i -		-
Coating, silicon carbide on:	-	!	ļ	}]) .								1		ļ
Aluminum oxide substrate	}	-		-	9	949		-		-	1	-	1	-		! -		-
Graphite substrate	İ	-	1	-	9	945 947	9	950		-		-		-	1			-
Tantalum substrate		-		-	9	945 947		-		-		-		-		-		-
Coating, silicon dioxide on:	-		((ļ					(
Aluminum substrate		-		-	9	1049 1052		1054 1057 1061	1	1068 1070		-		-		-	,	- !
Gold substrate	- {	-	l	-		_	9	1060	9	1068		-		-		-		ļ -
Magnesium substrate	- {	-	Ì	-	9	1049		-	9	1070		-		; <u> </u>	}	-		-
Nickel substrate	ſ	{ -	1	-		-	9	1060		-		-		ļ -	ł	-		-
Nimonic 75 substrate	ļ	-	[-	9	1052		-		-		-		-		: - .		_
Nioblum substrate		-		-	9	1049		-		-	}	_		-		-		-
Platinum substrate	}	-	1	-		-	9	1061	9	1067	9	1073		-		· - ·		-
Silicon substrate	{	-	1	-	{	-	l	-	1	-	9	1073		-				i -
Silver substrate		-		-	9	1049 1052		1054 1060 1061	9	1065 1068 1070 1072	l	-		 -		-		-
Taylor wire substrate		-		-	9	1049		-		-		-		-		<u> </u>		-
Costing, silicon Durak-B on molybdenum substrate		_	1	_		1331	1	_	1	! _	[-	{	-		_		۱ ـ

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Substance Name	Co	ermei nduc- vity		ecif. eat	Em	is-		Flec-		sorp-		ens- salv.	10	ermal ffu- vity	•			ermel sen- on
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Coating, silicon Durak-MG on molybdenum substrate		-		-	9	1333 1335		-		-		-		-		-		-
Coating, sillcon monoxide on:	-									}						<u> </u>		
Aluminum substrate	ł	-		-	9	1074	9	1077	9	1080	}	-	}	-				-
Aluminum oxide substrate		-		-		-	9	1077		-	l	-		-	ł	-		-
Income) substrate	1	<u> </u>		-	9	1075		-		-	}	-		-		! -		: -
Platinum substrate		-		-	9	1075		-		-		-	l	-		· -		-
Coating, silicon nitride on:				1						ĺ	1	İ		i		ĺ		i
Gallium arsenide substrate	İ	-		_		-		-		-	9	953	l	! -	1	<u> </u>		! -
Silicon substrate		-		-		-		-		¦ -	9	953	1	¦ -		_		-
Coating, silicone binder with TiO ₂ on Dow 15 treated Mg alloy substrate		-		-	9	212		-	9	263		-		-		! -		-
Coating, sliver on:	1		l		1						1			1	1	ì		į
Chromium substrate		-		-		-	9	738		ļ -	•	-		-		-		-
Copper substrate	ł	-	1	-	9	734	1	-	9	747	1	-	l	1 -	}	-		-
Epoxy substrate	ļ	-		-	9	733	9	742		-	1	-	ļ	-	1	-		-
Glass substrate		-		-		-	9	738 743		-	9	752		-		-		-
Mylar substrate	1	-		-		-	9	746		-	9	750	1	į -	•			-
Nickel substrate	1	i -	ł	-	9	734		-	9	747	l	-	}	-		-		-
Polyurethane substrate	}	-		-	9	733	9	741	•	-	1	-	1	<u> </u>		· -		-
Quartz substrate		-		-		-	9	738 743		-	9	750 752	}	-				-
Sapphire substrate	1	-		-		-		-	ł	-	9	750		-		; -		-
Silicone substrate	1	-	1	-	9	733	9	741		 -	Ì	i -	Ì	-		i -		-
Stainless steel substrate		-		-	9	734 736	9	738 742	9	747		-		. -		i – I		-
Coating, silver + aluminum on glass substrate		_		-		-	9	754		-		-		-		! -		_
Coating, silver black on unknown substrate	1	-	l	-		-		-	ł	-	9	1189	1	· -		-		-
Coating, sliver sulfide on silver substrate		-		-	9	954		-	9	955		-	l	-		: -		-
Coating, sodium chioride on aluminum substrate		-		-		-	9	1 1081		-		-		-		-		-
Coating, sodium salicylate on MgO pigmented paint substrate		-		-		-	9	956		-		-		-		-		-
Coating, solder on copper substrate		-		-	9	758		-	9	759	1	-	1	-	1	-		-
Coating, speculum on:		1	1				ĺ			ĺ			1	!	1	!		!
Glass substrate	1	-		-	}	-	9	645		-	}	-		-	}	. -]	-
Steel substrate		-		-		-	9	645 757		-		-		-		-		-
Coating, strontium titemate on:		_		_	9	958		_	9	963		_		-		; i -		_
Aluminum substrate		_		_	9	958		_	١	-	1	_	1	_				i -
Nb-1Zr substrate	-		}			962				}		Ì		:		i		ļ
Stainless steel substrate		-	l	-	9	958		-	ł	-	1	-	1	i -		-		i -

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Costing, synar on niobium substrate	T	-		-	9	1049	Γ	-	Γ	-		-	Г	-	Π	-		-
Coating, T-40-C-C-9 on aluminum substrate	1	-		-		-	9	1110		-		-	}	-		-		-
Coating, TAM-CP on stainless steel substrate		_	İ	-	l	-	9	1017		-		-		-		-		-
Coating, tantalum carbide on inconel X substrate		-		-	9	965	9	968		-		-		-		-		_
Coating, tefion on:					l		ļ						ŀ	1	l		ļ	
Aluminum substrate		-		-		-	9	1085	9	1087		-		-	1	-	•	-
S-13 substrate		-		-	l	-	9	1085	9	1087		-		-		-		-
Coating, tellurium on:	1		1		1		l	}		1	l	}	l	: [l		l	
Glass substrate	ļ	-		-]	-	9	971	•	-		-		-	ļ	-		-
Stilbene substrate	1	-		-		-		-		-	9	972		-	ĺ	-		-
Coating, tessiar on aluminum substrate		j -		-	l	-	ł	-	9	1082	l	-		-	l	-		-
Coating, thorium dioxide on:			ļ		١.		ļ			Ì	}			1]	,
Nimonic 75 substrate		-		-	9	973	l	-		-	ŀ	- 1	ļ	-		-		-
Quantz substrate		-		-	ľ	-		-	ł	-	9	974		-		· -		-
Coating, titanium dioxide on:				ļ)			į										
Aluminum substrate		ļ _		-	9	981	9	986 989 990	9	991	9	992		-		-		-
Black paint substrate		: -		-		-	9	986		-		-		_		_		-
Iron substrate		-		-	9	981		-		-		-		-		-		-
Nickel substrate	1	-	İ	-	9	981		-		-		-		-		-		-
Nioblum substrate		-		-	9	981 984		-		-		-		 -		-		-
Stainless steel substrate	1	-		-	9	981		-		-		-		-		-		~
Coating, tin on copper substrate		-		-	9	755		-	9	756		-		j -		-		-
Coating, tin + copper on steel substrate		-		-		~	9	757		-		-	1	-		-		-
Coating, tin + lead on copper substrate		-		-	9	758		-	9	759		~		-		- 1		-
Coating, tin oxide on:	İ			· 					l									
Glass substrate	1	-		-		-		-		-	9	979		-		i - i		-
Tin oxide substrate	1	; -		-	{	- 1	9	977		-		-		<u> </u>		1		-
Coating, titanium on aluminum substrate	1	-	١.	-		~	9	760	9	763		-		-				-
Coating, titanium on brass substrate	}	-	ļ	-		~		-	9	762		-	1	-		-		-
Coating, titanium on glass substrate		-		-		-	9	761		-		-		- 1		-		-
Coating, titanium dioxide + aluminum on:	1) 		ļ												
Nb-1Z substrate		-		-	9	994		-		-		-		-		-		-
Stainless steel substrate	1	; - I		-	9	994	. [-		-		- [-		- [-
Coating, therium diexide on nimenic 75 substrate		-		-	9	973		_		_		-		-		-		-
Coating, tungsten on:	1					Ì	ĺ	1				1	,		:		i	
Armoo Iron substrate		i - I		_	9	764		-	9	772		-		-		-	'	-
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Coating, tungsten carbide + cobait on iron substrate		-		-	9	995		-	9	996		_		-		-		-
Coating, tungsten + chromium + aluminum oxide on inconel substrate		-		-	9	774		-		 -		-		-		-		-
Coating, tungsten + cobelt on incomel X substrate		-	}	-		-	9	776		-		-		-		-		-
Coating, uranium on glass substrate	ł	-		-	l	-	9	779	ŀ	-	9	780		-		-		- '
Coating, uranium dioxide on tungsten substrate		-		-	9	997		-		-		-		-		-		-
Coating, vanadium oxide on:	İ				1						1		l					İ
Sapphire substrate	1	-		-	1	-	9	999		-	9	1000		-		-		-
Tungsten substrate	ł	-		-	9	998		-		-	ŀ	-		-		-		-
Coating, vanadium oxide on tungsten substrate		-		-	9	998		-		-		-		-		-		-
Coating, zinc black on:	j	1	l		l						1	1		1				
Brass substrate		-		-		-	9	1190		-		-		-		-		-
Metastyrene substrate	ł	-		-	l	-	9	1190		-	}	-		-		-		-
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Coating, zinc on iron substrate		-		-	ł	-	9	781	ł	i -	}	-]	-		-		-
Coating, zinc oxide on titanium substrate		-		-	İ	-	9	1003		-	ì	-		-		-		-
Coating, zinc selenide on quartz substrate		-		-		-	9	1004		-	9	1005		-		<u>-</u>		-
Coating, zinc sulfide on glass substrate		-		-		-	9	1007 1008		-		i -	1	-		-		- !
Coating, zinc telluride on quartz substrate		-		-		-		_		! ! -	9	1009		-		-	1	-
Coating, zirconium on molybdenum substrate		-		-	9	782	}	-		-		-		-		-		-
Coating, zirconium oxide on:		ļ			1				ł						l			
Aluminum substrate		j -	1	-	1	-	9	1017		-		-		-		-		-
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Stainless steel substrate	1	-		-	9	1011	9	1017]	<u> </u>		; -		-		-		-
Coating, zirconium silicate on:	1	į			l			' 				1	l	!				
Aluminum substrate	1	-		-	9	1024]		9	1030		-	Ì	!		-		-
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Coating, zirconium titanate on beryllium substrate		-	ļ	-	9	1032		-		! -		_		-		-	,	-
Coating, wulferite on potassium bromide substrate		: -		-		-	9	913		í ! -		-		-		-		-
Costing, yttrium oxide on tungsten substrate		ļ -	1	-	9	1001		-		-		! -	1	: -	1	_		_

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Cobalt, electrolytic		-		_		-		-		_	ŀ	_		-		-	12	73
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Co + Cr + ΣX4, British, C-32	١,	948		_		_		_		İ _	ł	_		-		_	1	_
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Co + Cr + Σχέ, stellite 25		-		-		-		-		-		-		-		-	12	1067 1069
Co + Cr + ΣXi, stellite 27		-	}	-		-		-		-		-		-		-	12	1067 1069
Co + Cr + ΣXi, stellite 30		-		-		-		-		-		-		-		-	12	1067 1070
Co + Cr + ΣXi, stellite 31		-		-		-		-		-		-		! _		-	12	1067 1070
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Co + NI + ΣΧi, Nivco alloy		-		-		-		-	}	-		_ 	}	-		-	12	1085 1087
Cobalt-aluminum Intermetallic compound, CoAl		 -		-		-	8	1352		-		-		-		-		-
Cobalt boride, Co ₂ B	}	-	1	-	8	731	1	-	1	-		-		-	l	<u>-</u>	13	796
Cobalt carbonate, CoCO ₃	1	-	l	¦ -	1	-		-		-		-		-		-	13	641
Cobalt chlorides:		1	1										l			!		
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CoC12 · 6H2O		-	5	809	Ì	-		-	1	-		-	ł	-		-	13	1013
Cobalt-dysprosium intermetallic compound, Co ₂ Dy		-) 	_		-		-		- 1		-		_		! ! -	12	510
Cobait fluoride, CoF ₂		-	5	934		-		-		-		-		-		_	13	1076
Cobalt-gadolinium intermetallic compound, Co ₂ Gd		_		-		-		-		-		-		-		-	12	509 510 512
Cobalt Iron oxide, CoO-Fe ₂ O ₃	1	-	5	1425	Į	-		-	1	-	1	-	}	-		-	ĺ	-
Cobalt Iron oxide, nonstoichiometric	}	-	5	1428		-		- '	1	-		-	{	-		i –		-
Cobalt oxides:	1		1		l			(1		l		1					i
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Cobalt phosphate, Cos(PO4)2		-	1	-	Ì	-		- 1	}	-	}	-	1	-		-	13	689
Cobsit silicate, Co ₂ SiO ₄	1	-		-	1	-		-	1	-		-		! -	l	-	13	727
Cobalt silicides:					l						1		}	1				
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Cobalt strontium titemate, CogSrTiOg	2	271		-		-		-	l	-	1	-	1	-		-		-
Cobalt sulfate heptahydrate, CoSO ₄ ·7H ₂ O	}	-	5	1194	1	-	}	-	1	-	ĺ	-		-	l	-		-
Cobalt titanium oxide, CoO-TiO ₂		-		-		-		-	1	-		-	1	-	l	-	13	563
Cobalt tungsten oxide, CoO-WO ₂	1	-	5	1431	1	-		-	Ì	-	1	-	1	-		-	H	-

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Substance Name	Co	ermei nduc- vity		ecif.	Em	is- /ity		lec-		sorp-		ens~	ווס	erme! ffu- vity	5 i	eco- ty		ermei sen-
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Cobalt-yttrium intermetallic compounds:	Γ																	
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Co, ,Y ₂		_		_		_		_		-		_	ł	_		_	12	
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Cobait zinc ferrate, Co(Zn)Fe ₂ O ₄	2	272		_		_		_		-		-		<u> </u>		-		-
Codfish, pulp	ł	-		-		-		-	1	-		-	10	635		-		-
Coke, petroleum	2	765		-		-		-		-		-	10	22 35		-		-
Columbium	١,	245	۱.	153		_		_	1	-		_	10	i i		_		-
Cominco 69		-		_		-		~		, _		-		-		-	12	395
Composite, asbestos- phenolic 9526 D laminate		_		_		_		_		_		_		_		_	13	1525
Composite, asbestos-phenolic resin	1	_		-		-		-		_		_		_		_		1524
Composite, asbestos reinforced phenolic		-		-				~		_		_		-		_		1525
Composite, asbestos-teflon	1	-		-		-		-	ł	-	1	-		-		-	13	1530
Composite, asphalt~glass wool pad	2	1108		-		-		-	Ì	-		-		-		-		-
Composite, boron fiber/epoxy resin	ļ	-		-	l	-		-		-		_		-		-	13	1531
Composits, carbitex 100	{	-		-	1	-		-	ĺ	-	1	-		-		-	13	1578
Composite, carbitex 700	Ì	-		-	1	-		-		-	}	-		-		-	13	1578
Composite, graphite fiber/epoxy resin, countaulds HMS, hercu		-		-		-	•	_		-		-		-		-	13	1584
Composite, graphite fiber/epoxy resin, courtaulds HMS, pseud		-		-		-		-		-		-		-		-	13	1584
Composite, glass fabric/epoxy resin	}	-		-		-		-		-		-		-		-	13	1537
Composite, glass fabric/polyester resin]	-		-		-		-		-		-	l	-		-	13	1542
Composite, glass fiber board	2	1124		-		-		-		-		-		· -		-		-
Composite. glass fiber/epoxy	ļ	-		-		-		-		-		-	}	-	ŀ	-		1547
Composite, glass fiber/phenolic resin	l	-		-		- !		-		-		-		[-]		-	13	1559
Composite, glass fiber/phenyl silane resin	j	-		-		-		-		_		-	}	-			13	1568
Composite, glass fiber reinforced phenolic		-	1	-		-		+	l	-		-		-			13	1560
Composite, glass fiber/silicone resin	1	-		-		- :		-		-		-		-		-	13	1567
Composite, glass cloth-reinforced/ phenolic resin laminates		-		-		-		-		-		_	10	558 559		-		-
Composite, graphite-cloth laminate		-	1	-		-		-		-		-		-		-	13	1569
Composite, graphite fabric/carbon		-		-		-		-		-		-	} ;	-		-	13	1576
Composite, graphite fabric/phenolic resin	1	- !		-		-		-		-		-		! -		-	13	1568
Composite, graphite fiber/epoxy resin	1	-		-		-		-		-		-		-		-	13	1582
Composite, graphite fiber/epoxy resin, modmor II-Narmco 52	1	-		-		-		-		_		-		-		-	13	1585
Composite, Insurok, nonmetallic laminate	2	1023 1024		-		-		-		-		-		-		-		-
Composite, lamicoid, laminate	2	1023 1024		-		-		_		-		-	10	555		-		-
Composite, Faminate, apoxy resin	2	1029		-		-		-		-		-		-		-		-
Composite, laminates, metallic-nonmetallic	2	1036	_				L		L	-	L	-	10	553				-

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Substance Name	Co	ermel nduc- vity	Spa	ecif.	Emi	s- /ity		lec-		sorp-		ens-	DII	rmel 'fu- /ity	VI:			rmai en-
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Composite, laminates, nonmetallic	Τ	-	Г	-		,		-		-		-	10	554		-		-
Composite, nylon fabric/phenolic resin		-		-		-		-		-		-		-		-	13	1600
Composite, CTWR		-		-		-		-		-		-		-		-	13	1612
Composite, phenolic-asbestos laminate		-	ł	-		-		-		-	ł	-	10	555		-		-
Composite, phenolic-asbestos cloth laminate		-		-		-		- !		-	<u> </u>	-	10	556 557		•		-
Composite, phenolic-graphite cloth laminate		_		-		-		_		-		-	10	557 558		-		-
Composite, phenolic-graphite mat laminate	1	-	l	-			}	-	l	: -		-	10	558	,	_		- }
Composite, phenolic refras!!		-	l	-		-		-	1	-		-		-	į	-	13	1610
Composite, phenolic-refrasil cloth laminate		-		-		-		-		i -		-	10	557		-		-
Composite, potassium titanium oxide fiber/epoxy resin		-		-		-		-		-		-		-		-	13	1605
Composite, sandwiches, nonmetallic	2	1044		-		-		-	}	-		-		-		-		-
Composite, sandwiches, metallic- nonmetallic	2	1047		-		-		-		-		-		-		-		-
Composite, scotchply laminate, nonmetallic	2	1029		-		-		_		ļ - .		-		-		-		-
Composite, silicon dioxide fiber/ phenolic resin, RAD-60		-		-		-		-		! <u>-</u> .		-		-		-	13	1612
Composite, silicon oxide fiber/ phenolic resin		-	l	-		-		-		ļ -		-	}	-		-	13	1608
Concrete		-		-		-		-		-		-	10	572		-		-
Concrete, asphaltic bituminous	2	863]	-		-		-		-	1	j -		-		-		-
Concrete, baryte		-		-		-		-	8		1	' -		-		-		-
Concrete, bitumin	2	1		-		-		-		-		! -		-		-		_ [
Concrete, bituminous aggregate	2	ļ		-		-				-		-		_		-	1	-
Concrete, cinder aggregate	2	869 870		-		-		-		-		-		-		-	,	-
Concrete, commercial castable	2	871 875 876 877 878		-		-		_		! - !		-		-		-		-
Concrete, diatomaceous aggregate	2	874		: -		-		-		-		! -		-		-		-
Concrete, expanded burned clay aggregate	2	870	1	-		- 1		-		<u>-</u>	1	-		-		-		-
Concrete, foamed light weight	2	881]	-		-		-	1	-		-		-		-		-
Concrete, Haydite aggregate	2	870		-		-		-		-		-	'	-		-		-
Concrete, light weight	2	874		-		-	}	-	ł	-	}	-		-		-		-
Concrete, limestone aggregate	2	869		-		-		-		-		-	1	-		-		-
Concrete, limestone gravel	2	864 865		-		-		-		-		-		-		-		-
Concrete, lummite cement	2	871		! -	[-	1	-	1	-		-		-		-		-
Concrete, metallurgical pumice	2	863 864		-				-		-		-		-		-		-
Concrete, monolithic wall	ì	1126		-		- '		-		-		-		-		-		-
Concrete, paraffin	2	1	1	-	ł	-			1	-	ŀ	-		-		-		-
Concrete, Portland cement	2	871	L		L		L	<u> </u>	L		_		L		_	_		لـــــ

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Substance Name	Co	nduc-		ecif.	Em	a- vity		Fiec-		orp-		ens-	DII	ermel Ffu-	V	sco- ty		ermal can-
	V.	Page	v.	Page	┝~	Page	v.	Page	v.		├	Page	╌	Page	V	Page		Page
Concrete, sand coment	2	874	-	_	-	-		-		-		-		-		_	-	-
Concrete, sand and gravel aggregate	2	868		_	ĺ	-		-		-	}			_ '		-		-
	1.	869		_		!		_ '	ł	_	l	! !	1	}				; ! _
Concrete, simp	2	864 880 881		! -		:		_		-		-				- 		- !
Concrete, slag aggregate [[mestone		00.						-				ĺ				! 		
treated	2	870		-	1	-	}	-		-		-		-		i		: -
Concrete, slag direct process	2	864		-		-		-		-		-		! -		!		-
Concrete, slag expanded	2	878 879	{	-		_		-	1	-	l	-		-		! -	;	. -
Concrete, slag leuna	2	864	1	-	l	-		-		-		-		-		<u> </u>	[-
Constantan, copper alloy	2	864 880	4	341		-	1	-		-	1	-	10	234		! -	12	781
		881					ļ									!		
Copoly(chloroethylene-vinyl-acetate)	2	943	1	-	1	-		-	}	-	ŀ	! -	}	-	-	-		-
Copoly(1,1~difluoroethylene- hexafluoropropene)	1	_	}	-	}	-	}	-		-		-	1	!		, -	13	1460
Copoly(1,1-difluoroethylene-	2	983		_	ł	_	}	_	}	_	ŀ	 _	}	}		! _ ! _		_
hexafluoropropene), viton A rubber Copoly(ethylene-propylene)	1	-	ł	_		_		_ !		_	l	_	(! <u>-</u> !		_	13 13	1440
Copoly(formaldehyde-urea)	2	944	ĺ	_		_		- 1	•	-		_				_		-
Copoly(formaldehyde~urea), mipora	2	944	1	-		-		-]	-		-		-		-	i	-
Copoly(viny) chioride-viny) acetate)	1	-	}	-		-		-		-		-		; - !		-	13	1495
Copper, Cu	,	68	4	51	7	136 142	7	158 165	7	177 179		-	10	51		; - <u>;</u>	12	7 7
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	1		1					} ,,		184	1	Ì						į
Copper, B.S. 1433	1	-		~		-	7	173 174	7	194		-		- ,		-		-
Copper, beryllium	1	539		-		-]			•	-		-	{	-		-		_
Copper, coalesced	1	69		-]	-		-	,	-		-]	j -		-		-
Cassan deswildling	1	72	1	_	1	_	•	_	}	_		_	10	58		_		_
Copper, deoxidized Copper, electrolytic	1,	72	4	51		_		-		_		_	10	59		_	12	80
, sopposit of social strains	1	73	1		ĺ													
Copper, electrolytic tough pitch	1'	70 72	4	52		_		-		-		_	10	54		-		_
Copper, electrolytic tough pitch,	1	_	4	53		_		_	•	_ !		_		_		_		_ '
QQC 502 Copper, electrolytic tough pitch,		}		33								}						
QQC 576		-	4	53		-		-		-		-		-		-		-
Copper, freecutting	1	582		-	_	-		-	_	-		-		-		-		-
Copper, OFHC	\'	69 74	4	52	7	138		-	7	189		-	10	53 54 55		-	12	80
	[[ļ								(57 57				
Copper, OFHC, polycrystalline		-		-		-		-		-		-		-		-	12	80
Copper, phosphorized		-		-		-		-		-		-	10	54		-		-
Copper, phosphorus deoxidized	1	72		-		-		-		-	ŀ	-	}	-		-		-
Copper, single crystel	1	_	1	-		-		-	}	_		-	ا	-		-	12	80
Copper, spectrographically standardized	L		L			_				•	L		10	57		-		-

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Substance Name	Co	ermai nduc- vity		scif.	Em	ls- /(ty		flec-		sorp-		ens- ssiv.	Dit	ermal Ffu- vity	֓֞֜֞֜֞֜֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֓֓֡֓֡֓֡֓֡֓֡֓֡֓֡			ermal san- so
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Copper, standard reference material 736		-		-		-	Г	-		-		-		-	Γ	-	12	82
Copper alloys:								}		į			ĺ	!		İ		
Cu + Ag	1	578		-		-		-		! -		-	10	236	1	-		-
Cu + Al	1	530	4	323	ĺ	-		- '		-	ĺ	-		! -	ı	<u> </u>	l	-
Cu + As	1	535		-	l	ļ -		-		-		-	10	232		! -		-
Cu + Au	1	548		-	}	!		-		! -		-	l	-	}	! -	12	763
Cu + Be	1	538		ļ -		¦ -		-		j -		-		! -]	! -	12	678
Cu + Be, beryllium bronze	1	539		-	}	} -		-		-		-			1	' -	12	679
Cu + Cd	1	541		i -		- '	ĺ	-		! -		-		-		-		: -
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Cu + Cr	1	542		-	l	-		-		-	l	-	1	-		 -	l	-
Cu + Cr, Russian cupralloy, type 5	1			-		-		-	1	-	}	-	1	<u>-</u>		· -		-
Cu + Fe	1	551	4	331	1	-	Į	-		-		-]	-		-	12	771
Cu + Ga		-	4	327	ļ	-		-		-		-	١	-	1	-		-
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Cu + Mg		-	4	335	į	-	İ	-	ĺ	-		j -			l	-	1	-
Cu + Mn	1	557	4	338	Ì	-		-	ł	-		-		+		-	1	773
Cu + Ni	1	561	4	341	7	908		-		-		-	10	233		-	12	778
Cu + N1, advance	1	564 970		-	ļ	-	1	-		-		: -		-		- 		-
Cu + N≀, constantan	١,	564	4	341	ļ	-		-		-		-	10	234	Į	ļ -	12	781
Cu + Nī, Lohm	1	564		-	ļ	-] -	ļ	-]	-		-		-	ļ	-
Cu + Ni, Russian, NM-81 cuprolckel	1	562	ļ	-		-		-		-	Ì	-		-	١	-	1	-
Cu + Ni, Russian cupro nickei, NM-81	[,	562		_	1	_		_		_		-		ļ , -	1	-	ſ	_
Cu + P	[,	571		_	ĺ	-		-		-		f -		-	ĺ	: _	1	-
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Ou + Pd	١,	568	ł	-	ł	-		-	l	-		-		į –	l	-	ł	-
Cu + Pt	١,	574		-		-		_		-]	-		¦ -		-	ļ	١_
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Cu + Te	١,	581	İ	-		-	ĺ	-	İ	-	l	-	Ì	-	1	-	l	-
Cu + Te, ASTM B301-58T	١,	582		-		-	1	-		-	l	-	ł	-	1	-	l	-
Cu + Zn	╽,	588	4	346	7						Į	-	10	238		-	12	: 79€
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Cu + Zn, brass, 70/30	1	590		-		-	ļ	-		-		-]	-		-		-
Cu + Zn, brass, alpha		-	4	346	l	-		-		-		-		-	1	-		-
Cu + A1 + XX4	1	952		-	7	1159 1162		1166	7	1169		-	10	288	1	-	112	1089
Cu + A1 + ΣX4, bronze	١	531 532 953		-	7	1160		-		-		-		-		-	12	1091
Cu + 8e + ΣX6	١,	1	ı	_		-	1	_	.	-		-		-		-	12	1095
Cu + Be + Σχέ, Berylco 25		-		_		-	1]_		_		-]	-		_	12	1097

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Substance Name	Co	ermel nduc- vity		scif.		is- vity		lec-		sorp-		ens-	ווס	ffu- vity	si			-040
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Copper alloys:	T		Γ						Г				Γ					
(continued) Cu + Cd + ΣX4	1	956		_		_		_		_		_	ĺ	_		_		_
Cu + Co + EX;],	957		_		_		_		_		_	1	-		l _	[! ! -
Cu + Co + 2xv	'	_		_		-		_		-		-	1	-		! -		-
Cu + Fe + XX4	١,	960		_		-		_		_		-	1	-		_		-
Cu + Mg + ΣΧ4		_	۱,	529		_				[_		-	ļ	-		ļ <u> </u>		-
Cu + Mn + ΣΧέ	١,	964		-	1	-		_		_		-	1	-		İ -	12	110
Cu + Mn + ΣΧέ, menganin	1	965	4	338		-		-		_		-	1	-		-		i -
Cu + Mn + ΣΧέ, Russian,							ĺ			ļ						1 .		
menganin NM Mts		965		-		-	١_	_		-	ĺ	j -	ŀ	-		-		-
Cu + NI + ΣXέ	1	969		-		-	7	1172		_		_		į –		-	1 -	110
Cu + NI + ΣXė, Aterite	1	-		_		-		-		-		-		-		_	12	110
Cu + Ni + ΣXi, cupronickei	1	970		_	ĺ	-		-	ĺ	-	1	_		_		-	١.,	110
Cu + Ni + ΣXi, Tempaloy 836	1	-	1	-		-	1	_	ĺ	-		_		_	İ	-	12	110
Cu + N: + ΣΧέ, Tempaloy 841	1	-		-		-		-		-	1	-		-		-	12	108 109
Cu + Ni + ΣΧέ, Tempaloy, soft		-		-		-		-		! -		! ! –	ļ	-		-	12	110
Cu + Pb + XXi	1	961	l	-	1	-		-	l	-	1	-		-	1	-	12	109
$Cu + Pb + \Sigma Xi$, SAE bearing alloy 40	1	976	1	-	1	-		-	ļ	-	1	-		-		-		_
$Cu + Pb + \Sigma Xi$, SAE bearing alloy 64	1	976	ł	-	1	j -		-	ļ	-		-	ļ	¦ -		-		-
$Cu + Pb + \Sigma Xi$, SAE bearing alloy 66	١	962		-	Ì	-		-	i	-		-		-		-		ļ -
Cu + Sī + ΣXi	1	972		-		-		-	1	-	ļ	-]	-		i -	12	110
Cu + Sn + ΣXi	1	975	1	-		-	7	1174		-	Į	-		<u> </u>		_	12	111
Cu + Sn + ΣXi , gun metal, admiralty	1	976		-		-		-		-	ļ	-	}	-		-		-
Cu + Sn + ΣXi , gun metal, ordinary	1	976		-		-		-		-]	į -]	-	}	ļ -]	j -
Cu + Sn + ΣXi, Navy M	١ ا	977		-	ļ	} -		-		-	}	-		-		; -		-
Cu + Sn + ΣXi, SAE bearing alloy 62	'	976	1	-		-		-		-	ļ	-		-		-		! -
Cu + Zn + XX4	'	1)	-]	-	}	-]	-	ļ	-		-		j -	12	111
Cu + Zn + ΣΧέ, German silver	1	980 981		-		-	}	-	j	-		-		<u> </u>		-		-
Cu + Zn + ΣXi, mengenese bronze		_		-		-		_		-		_]	i _		! -	12	111
Cu + Zn + ΣX4, nickel silver	١,	981		-		<u>-</u>		-		-	1	<u> </u> -		-	-	j -	12	110
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Cu + Zr + XXI	1	985		-		-		-		Ì -		-		-		! -		-
Copper antimony selenide + copper selenide, mixtures	1	1400		_		-		-		-		-		! _		-		-
Copper-antimony-selenium intermetallic compound, CuSbSe ₂	١,	1275		-		-		 -		} -	1	-		-		-		! -
Copper + benyllium cobalt compound, mixture	• 1	1420	1	-		-	1	: -		-		-		-		-		<u> </u>
Copper bromide, CuBr	1	-	5	762	1	-	8	741	1	-	8	743		! -		-	13	83
Copper chiorides:		1			[ĺ			1	1			1	l		1	
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CuC1 ₂		1 -	5	812		-		-		-		-		1 -		-		-
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	v.	Page	٧.	Page	v.	Page	٧.	Page	٧.	Page	٧.	Page	v.	Page	v.	Pege	٧.	Page
Copper glance, copper sulfide	2	699		-	Г	-		-		-		-		-	Γ	-		-
Copper-gold Intermetallic compound, CuAu		-		-		-		-		-		-		-		-	12	519 520 522
Copper indium telluride, CuinTe ₂		-		-		-		-		-		-		-	Ì	-	13	1270
Copper Todide, Cul	2	562	1	-		-	8	999		-	8	1001		-		-	13	1122
Copper Iron oxide, CuO-Fe ₂ O ₃		-	5	1437		-		-		-		-		-		-		-
Copper Iron oxide, nonstalchiometric		-	5	1434		-		-		-		-		-		-		-
Copper-magnesium intermetallic compound, $\operatorname{Cu_3Mg}$		-		-		-		-		-		-		-	1	-	12	523
Copper oxides:	1			}	ł	}	1	}				l	l					
cuo	}	-	5	80		-	8	247		-	8	249	1	-		j -		-
Cu₂a	2	147	5	76	8	243 245		-		-	8	249		-		-		-
Copper selenide, Cu _s Se _s	1	1276		-		-		-	}	-		-		-		 -		-
Copper selenide-copper antimony selenide, mixture	١,	1401		-		-		-		_		-		-		-		-
Copper silicides:					ĺ							}					}	
Cu _k Si	1	-		-		-		-		-		-		-		-	13	1211
Cu ₁₈ Si ₄	1	-		-		-		-		-		-	l	-	1	-	13	1212
Copper sulfides:		ļ		Ì	1			}		}			ł			}		1
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Cu ₂ S	2	699	5	665	1	-		-	ŀ	-		-	ļ	-	1	-	l	-
Copper-tin intermetallic compound, Cu _a Sn		-		-	1	-	8	1352		-		-		-		-		-
Copper telluride + indium telluride +. silver telluride, mixture	١,	1406		-		-		-		-		-		-		-		-
Copper + titanium nickel compound, mixture	,	1433		-	1	-	ł	-		-		-	1	j -		-		-
Copper-zinc intermetallic compounds:	1	}			1		{	{		'		}	İ	i		! !		ļ
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Coralto-cobaltic oxide		-	5)	1	} -		-		-	١.	- -	1	-		_	١.,	-
Condienite	2	j	ſ	1503	1	-	1	-		-	6	1650	1	-		-	13	1
Condienite, 202	2	1	ı	-	1	-		-	1	-		<u> </u>		-		-	1	-
Condienite, Rutgers	2	ļ	l	-		-	1			-		-		-		-	1	_
Condienite, steetite	2	1	}	-	ļ	-		-		į -		-		-		-		_
Cork	1	1063)	-		-		_		_		_	l.,	200		_	,,	1
Corundum	2	94 99		26		-				_		-	10	363			13	182
Cotton	2	1068		-	1	-		-	1	-	1	-	{	-		-		-
Cotton, fabric	2	1093	1	-	1	-	1	-	1	-		-		-		-	1	-
Cotton, medical	2	1069		-	1	-		-	1	-	Ì	-		-		-	1	-

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Substance Name	(Co	erme: nduc- vity		ecif.		is- vity		flec-		sorp-		ens- selv.	ווס	ermal ffu- vity	* i 1	ty		erme1 pen- on
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Cotton, mineral	2		┿	-	Γ	-		_		-	Г	-	Γ	-		-	Γ	-
Cotton, silicate felt febric	2	1094	l	-		-		-		-	l	-		-		-		-
Cotton, waste	2	1070		-		-		-		-	ı	-		-		-		-
Cotton, wool	2	1096	1	-		-		-		-	}	-]	-	֡	-		ļ -
Cristobalite, silicon dioxide	1	-		-		-		-		-	1	-		-		_	13	353
Crotonylene, 2-butyne		-	6\$	12		-		-		-	1	-	1	-		-		-
Cryolite, hallds mineral		j -		-	1	-	8	1660		-	Ì	-	1	¦ -		! -		-
Crystex, sulfur		-	ļ	-		-	8	117		-		-	[-		-		-
Crystolon, SIC	1	-	l	-	8	800	8	805	ŀ	-		-	}	-		-		-
Cumene	1	-	68	22		-			ł	-		-		-	}	į -		-
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Cupric oxide		-	l	-		-	8	247		j -	8	249		-		-		-
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Cuprum	1	68	4	51		-		-	ĺ	i -	ĺ	-	Ì	-		-		-
Cyanogen	1	-	68	24		-		-		-	ļ	-		-		-		-
Cyanogen chioride	1	-	6s	24				-		-		-		¦ -		-		-
1,4-Cyclohexadienedione		-	65	2	Ì	-		-		-	1	-		: - ,		-		-
Cyclohexane		-	68	25	j	-		-		-		-		- 1		-	Ì	-
Cyclohexane-m-hexane, mixture		-		-		-		-		-		-		¦ -	11	408		! -
Cyclohexene	1	-	68	25				-	1	-		-		-		¦ -		-
Cyclohexylmethane	1	-	6s	62	ł	-		-		-		-		-		-	1	-
Cyclopropana	-	-	6 s	26	ĺ	-		- 1	1	j - 1	(· -		-		-	1	-
Cyclopropane-hellum, mixture	3	325		-		-		-		-	[-		-		-		-
ρ-Cymane		-	68	26	ŀ	-		-	į.	-	}	-		-		-		-
p-Cymo I	1	-	6 s	26	ŀ	-		-		-	1	-		-		-		-
n-Decane	3	164	6	170	İ	-		-		-		-		-		' -		-
n-Decane-methane, mixture		-		-		-		-	ĺ	-		-		-	11	410	,	-
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Deuter i ometh ane	1	-	6s	58		-		-			ł	-		-		-		-
Deuterlotritritiomethene	İ	-	68	58		-		-		-	ł	-		-		-		! -
Deuterium, D ₂	Э	21	6	15				-		-		-	ĺ	i - 1	11	13		-
Deuterlum, monatomic	-	-	6s	26	1	-		-	,	-		-		: -		-		-
Deuterium fluoride, DF	1	-	6\$	47		-		-		-		-		-		-	j	-
Deuterium hydride, HD	1	-	68	48		-		-		-		-		-		-	J	J -
Deuterium-helium, mixture	3)		-		-		-		-		-		-		-		-
Deuterium-hydrogen, mixture	3	407		-		-		-		-	•	-		-	11	413		-
Deutenium-hydrogen deutenide, mixture	1	-	1	-	•	-		-		-		-		-	11	415	!	-
Deuterium hydrogen sulfide		-	68	51		-		-		-	1	-		-		-		-
Deuterlum-krypton, mixture	3			-		-		-		-		-		-		-		-
Deuterium-krypton-neon, mixture	3	1		-		-		-		-		- 1		-		-		-
Deuterium-neon, mixture	3	1	ł	-	1	-		-		-		- '		-		-		-
Deuterium-nitrogen, mixture	3	410	L		_	-			L		L		L	i -		! -		

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Deuterium-xenon, mixture	3	371	Ë	-	i i	-		_		-		-		-		-		-
Deuterium oxide, D ₂ O	İ	_	6=	95		_		_		-		-		-		-	13	224
Dauterium seienide		-	68	49		_		-		_		_		_		-		-
Deuterium sulfide		_	68	50		_		-		-		_		-		-	į	-
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Diatomite aggregate Sil-O-Cel, coarse grade	2	1112		-		-		_		-		\ -		-		-		-
Dibromomethane		-	6 s	26		-		-		-		-	1	! -		-		-
1,2-Dibromoethans		-	6s	26		-		-	1	-		-		-		-		-
1,2-Dibromosthams, EDB		-	6s	26	İ	-	ĺ	_	ĺ	-	ĺ	-		-		-		-
1,2-Dibromopropane		-	6s	27		-		-		-		-		<u> </u>		_	1	-
1,3-Dibromopropane		_	6s	27		-		-	•	-		-		-		-		- 1
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1,1-Dichlorotetrafluoroethane	1	-	68	29		-		_		į –		-		-				-
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3	205	6	228	1	-		-		-		; -		-	}	-	, ;	-
2,2-Dichloro-1,1,1-trifluoroethane	1	-	68	29		_		! -		-		i -	Ĭ	-		-		
Dicopper sulfide + Iron sulfide + trinickel disulfide, mixture	2	700		_		-		-		! -		i ; -		<u> </u>		_		-
Dicopper sulfids + trinickel disulfide, mixture	2	701		-		_		1 -				, -		! -		_	;	-
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Dideuteriomethane		-	60	58		-	l	! -		-		: -	1	; ; -	ľ	; -		-

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Diethylamine-ethyl ether	3	472	Ë	-	 	-	Ë	-	Ë	-	Ë	-	H	-	Ë	-		-
Diethyl carbinol		_	68	72		_ '	ì	-		-		-	1	_		-		-
Disthyl sthanedloats	1	-	63	30		_		_		-		_	İ	-				- '
Diethyl ketone	ı	_	68	72	1	_		-		-	l	-		 	l	- 1	1	-
Diethyl oxalate		-	6 s	30		-		-	l	-		-		-		-		-
Diethylene		-	6\$	5		_		_	ŀ	-		-		! -		_		-
Disthylisopropylmathans		-	6 s	38		-		-		_ '		ļ <u>-</u>	1	-		-		-
Diethylmethylmethans		-	6s	65		-		-		ļ _ '	1	-	1	_		; -	1	-
Diathylpropylmathane	1	-	68	38	ĺ	-		-] - :		-	ł	-		-	1	; i –
1,1-Difluorosthans		-		-		-		-	l	} - ı	ŀ	-	ł	ļ <u>-</u> ,	,,	165	1	-
1,1-Diffuoroethylene		-	63	30		_ ,		- ,] - ,		-	ļ	} -		! -		-
Difiuoromethane		-	6 s	30		-		-		-		-		-		-		- '
Dihexyl		-	6 s	34		-		-		-		-		-		-		i - '
≡-D1hydroxybenzene		-	6s	83		-		-		-		-		-		-		-
o-Dihydroxybenzene	l	-	6 s	83	1	-		-		-		-	l	-		-	Į ¦	-
p-Dihydroxybenzene]	_	6s	53		! -		-		! - !		-		-		_]	-
1,2-Dihydroxybenzene]	-	62	83		<u> </u>		_		-	١	-		-		-		-
1,3-Dihydroxybenzene		-	6 s	83		-		_		-		-		-		-		_
1,4-Dihydroxybenzens	1	-	6 s	53		-		_		-	l	-		-		_	Ì	-
8,8'-Dihydroxydipropy: ether	1	-	6a	34	ł	-	ł	-	ŀ	-		-	1	-		- :		-
2,2'-Dihydroxydipropyl ether			68	34		-	ļ	-		-		-		-		! -] !	<u> </u>
1,2-Dihydroxypropane		-	63	76		-		-		-		-		-		-		ļ -
Dilodomethane		-	6\$	30		-		-		-		-		-	[-		-
Disoamyl	1	-	64	33		-		-		-	ĺ	-		i -		-		-
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Dimethyl carbinot	1	-	63	79		-		-	l	-		-	l	-		-	i	-
Dimethyl ether	1	-	63	63		-		-	1	-	1	-	1	-		-		-
Dimethyl ether-methyl chloride, mixture		-		-	ļ	-		-		! - !		 -]	-	11	547	ļ	-
Dimathyl ether-methyl chloride- sulphur dioxide, mixture		-		-		-		_		-		-		_	11	592		-
Dimethy) ether-sulfur dloxide, mixture	ļ	-		-	ļ	-		-	i	-		-		-	11	549		-
Dimethyl ethyl carbinol		-	68	61		-		-		-		-		-		-		-
Dimethyl ketone	3	129	6	113	ĺ	-		-	l	-		-	1	-	[-		-
Dimethyl sulfide	1	-	63	69	l	-		-		-		-	1	-		-		-
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Dimethylamine		- '	68	30	1	-	1	-		-	1	-		-		-		-
Dimethylamine, DMA	L		6.	30	L	-	L	-	L		L	-	L	-				_

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1,2-Dimethylbenzene	Ë	-	68	99	v. rago	-		۲	-	H	-	۲	-	-	-		-
1,3-Dimethylbenzene		_ '	6\$	98	_	l	_		_		_		-		_		_
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trans-sym-Dimethylethylene		_	6s	10	-		_] _		! -		-		-		_
илсуж-Dimethylethylene		-	6s	67	-	Į	-		-		-		-	}	-		-
2,3-Dimethylhexane		-	6s	33	-	[-	•	_	}	-	}	; -	•	-		-
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2,7-Dimethyloctane		_	6s	33	-		_	ł	-	Ì	-		_		-		-
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1,3-Dinitrobenzol	'	- 1	6s	34	-	1	_		i - i		-		-		- :		-
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1,1-D:phenylethane	}	-	68	34	-		-		-		-	'	-		- [. :	-
Diphenylmethane	Ì	-	68	34	-		-		-		-	'	-		-	į	-
Diphenylmethans + naphthalene, mixture	2	994		-	_		-		-		-	'	_		- }	į	-
Dipropylene glycol		-	6s	34	-		-		-		-		-		- }	1	-
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Ditritiomethane	Ì	-	6s	58	┨	-		-	ł		ł	-	}	-		_		-
Divinyl	-	-	68	5	} }.	-		-		-		-		-		_		-
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Dysprosium alloys:		j			1	1			l			ł		}				
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Dysprosium carbide, DyC ₂	- [-		-	! •	-		-		- :		-		-		-	13	935
Dysprosium chloride hexahydrate, DyCl _e -6H ₂ O		_	5	818		-		-		-		-		_		_		-
Dysprosium niobium oxide, Dy ₂ O ₂ ·Nb ₂ O ₈		-	İ	-	j .	-		-		-	ł	-		-		-	13	525
Dysprosium nitride, DyN	1	-		-	-	-		-	l	-	8	1090		-		-		-
Dysprosium oxide, Dy ₂ O ₂	- {	-	5	83	-	-	8	252	8	254	j	-		-		-	13	227
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Enamel, cerium dioxide + magnes'um oxide pigment in NBS Frit no. 332 binder		_		_		_	9	452		_		_		_		_		_
Enamel, cerium dioxide + cobalt oxide pigment in base gleze No. 3 binder		_		_	9	445		_		_		-		-		_		_
Enamel, cerium dioxide pigment in:)		ļ]									İ
Barlum beryllium silicate binder		-		-	9	445 448		-		-		-		-		-		-
Base glaze no. 1 binder		-		-	9	445	l	-		-	ł	-		-		-		-
Base glaze no. 3 binder		-		-	9	445		-	ĺ	-	j	j -		-		-		-
Enamel, cerium dioxide + tin oxide pigment in NBS Frit no. 332 binder		-		-	9	445	9	452		_		-) }	_		-		-
Enamel, cerium dioxide + zirconium dioxide pigment in NBS Frit no. 332 binder		-		-		-	9	452		-		-		-		-		_
Enamel, chromium oxide + cobalt oxide pigment in base glaze No. 1 binder		-		-	9	455		-		-		-	}	-		-		_
Enamel, chromium oxide + iron oxide pigment in base glaze No. 3 binder		 -		-	9	456		-		-		-		-		-		-
Ename), chromium oxide pigment in:	ļ]							١.]	,	j ¦]		
Barium borosilicate frit binder		-		-	9	455 459		•		-		-		-		-		-
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Base glaze No. 3 binder	1	-		-	9	455		-		-		-		-		-		-
NBS frit No. 332 binder	1	-		-	9	455	9	463		-		-		-		-	ĺ	-
Enamel, cobalt oxide + chromium oxide pigment in base glaze No. 1 binder		-		-	9	464		~		~		-		-		-		-
Enamei, cobsit oxide + chromium oxide pigment in base glaze No. 2 binder		-		-	9	464		_		-		-		-		-		~
Enamel, cobait oxide + manganese oxide pigment in base glaze No. 2 binder		-		-	9	464		-		_		-		-		~		-
Enamel, cobalt oxide + nickel oxide pigment in base glaze No. 3 binder		-		-	9	464		-		-		-		-		~		~
Enamel, cobalt oxide pigment in base glaze No. 3 binder				-	9	464		-		-		-		-		-		-
Enamel, CoO·Cr ₃ O ₈ spinel pigment in NBS Frit No. 332 binder		-		-	9	472	9	475		~		-		-		-		
Enemel, CoO·Fe ₂ O ₈ spinel pigment in NBS Frit No. 332 binder		-		-	9	472	9	475		-		-		-		-		-
Enamel, CoO·Mn ₂ O ₃ spinel pigment in NBS Frit No. 332 binder		-		~	9	472	9	475		-		-		-		- }		-
Enamel, DaCote black		-		-		-	9	542		- [- [- [-		-
Enamel, dreem No. 13 N27ES4		-		-		-	9	495		-	Ì	- (- (1	-	-	-
Enemel, ferro white porcelain		~		-	9	576		-		-		-		-		-		-
Enemel, Iron oxide + chromium oxide pigment in base glaze No. 3 binder		_		-	9	466]	-				-				_		-

Chromitum oxide pigment in MSS Frit No. 332 binder Enams. I ron oxide + 1		Т		ī		Т	herma	l R	diat	ive	Prop	ert	ies	Γ		Г		Γ	
Enemai, Irron exide - cabelt oxide - chording with size of permit in MSS-Frit No. 332 Binder Enemai, Irron exide - cabelt oxide planet in MSS-Frit No. 332 Binder Enemai, Irron exide - cabelt oxide pigment in base glaze No. 3 binder Enemai, Magic Irron Cement Co. white porcelain Enemai, managense oxide - cobalt oxide pigment in base glaze No. 2 binder Enemai, managense oxide - cobalt oxide pigment in base glaze No. 2 binder Enemai, managense oxide - cobalt oxide pigment in base glaze No. 3 binder Enemai, matallic kerpo Q0 No. web-S-NS-E-C No. 3 binder Enemai, no. 102, brome metallic Enemai, no. 102, brome metallic Enemai, no. 102, brome metallic Enemai, pittsburgh flat white undercoater. LA-404 Enemai, Pittsburgh flat white undercoater. LA-404 Enemai, Pittsburgh flat white undercoater. Enemai, potessium citanate porcelain - 9 470 13 717 Enemai, Illicon, Heyden L28 2 921 8 1689 8 1692 13 717 Epon 815 Epon 826 Epony resin, Standard 43 1,2-Epoxysthene - 6 37 13 1504 Epoxy resin, Standard 43 1,2-Epoxysthene - 5 86 13 1504 Epoxy resin, Standard 43 1,2-Epoxysthene - 5 86 13 755 Epoxy resin, Standard 43	Substance Name	Co	nduc-											DH	ffu-			Ex	pan-
Chromitum oxide pigment in MSS Frit No. 332 binder Enams. I ron oxide + 1		v.	Page	v.	Page	v.	Page	v.	Page	٧.	Page	v.	Page	٧.	Page	v.	Page	v.	Page
Ficked Oxide pigment in	Enamel, Iron oxide + cobalt oxide + chromium oxide pigment in NBS Frit No. 332 binder		-		-	9	466	9	467		-		_		-		-		-
white porcelain Enamel, managenese oxide + cobal toxide pigment in base glaze No. 2 binder Enamel, managenese oxide + iron oxide pigment in base glaze No. 2 binder Enamel, managenese oxide + iron oxide pigment in base glaze No. 3 binder Thomber oxide pigment in base glaze No. 3 binder Thomber oxide pigment in base glaze No. 3 binder Thomber oxide pigment in base glaze No. 3 binder Thomber oxide pigment in base glaze No. 3 binder Thomber oxide pigment in base glaze No. 3 binder Thomber oxide pigment in base glaze No. 3 binder Thomber oxide pigment in base glaze No. 3 binder Thomber oxide pigment in base glaze No. 3 binder Thomber oxide pigment in base glaze No. 3 binder Thomber oxide pigment in thomber oxide pigment in Thomber oxide pigm	nickel oxide pigment in		-		-	9	466		_		_		-		-		-		-
Cobalt Oxide pigment In Date glaze No. 2 binder		ĺ	_		-		-	9	528		-		-		-		-	ŀ	-
Iron oxide pigment in base glaze No. 3 binder			-		-	9	468		-		_		-		_		_		_
##S-N-52-E-4 Enamel, no. 102, broma metallic Enamel, no. 113, broma alkyd Enamel, P-110 white porcelain Enamel, Pittsburgh flat white undercoater, LA-404 Enamel, potassium titanate porcelain Enamel, potassium titanate porcelain Enamel, potassium titanate porcelain Enamel, potassium titanate porcelain Enamel, potassium titanate porcelain Enamel, silicon, Heyden L28 2 921	iron oxide pigment in		-		-	9	468		-		_		-		-		-		-
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Enamel, P-110 white porcelain Enamel, Pittsburgh flat white undercoater, LA-404 Enamel, potassium titanate porcelain Enamel, silicon, Heyden L28 2 921	Ename!, no. 102, broma metallic		-		-		-	9	489		-		-		-	l	-		-
Enamel, Pittsburgh flat white undercoater, LA-04 Enamel, potassium titanate porcelain 9 470	Enamel, no. 113, broma alkyd		-		-		¦ -	9	488		_		-		_		-		-
LA-404	Enamel, P-110 white porcelain		-		-		, -	9	573		-		-		-		-		-
Enamel, silicon, Heyden L28	Enamel, Pittsburgh flat white undercoater, LA-404		-			ļ	_	9	552		-		-		-		_		-
Enstatite Epon 815 Epon 828 Epoxy resin, Margias 555 Epoxy resin, Standard 43 1,2-Epoxyethane Erbia Er	Enamel, potassium titanate porcelain		_		-	9	470	,	-		-		-		-		_		-
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Epoxy resin, Marglas 555 Epoxy resin, Standard 43 1,2-Epoxyethene - 6a 37 13 1504 1,2-Epoxyethene - 6a 37 13 1504 - Erbia - 5 86	Epon 815		-		-		-		-		-	ĺ	-		-		-	13	1504
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1,2-Epoxyethane	Epoxy resin, Marglas 555		-		-		-		-		-	ŀ	- :		-		_	13	1505
Erblum, Er Erblum, Er Erblum borides: Era ErB ₁₂ Erblum carbide, ErC ₂ Erblum chloride hexahydrate, ErCl ₈ ·6H ₂ O Erblum gallate Erblum gallium oxide, Er ₃ Ga ₈ O ₁₂ , garnet Erblum nitride, ErN Erblum oxide, Er ₃ O ₃ Erblum oxide, Er ₃ O ₃ Erblum oxide, Er ₃ O ₃ Erblum oxide, Er - O - O - O - O - O - O - O - O - O -	Epoxy resin, Standard 43		-	ļ	-		-		- 1		-		-		-		-	13	1504
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Erblum borides: Era ErB ₁₂ 8 727 13 755 Erblum carbide, ErC ₂ Erblum chloride hexahydrate, ErCl _a ·6H ₂ O - 5 822	Erbia		i -	5	86		-		-		-		-		-		-		-
ErB ₁₂ ErB ₁₂ 8 727 13 755 Erblum carbide, ErC ₂ Erblum chloride hexahydrate, ErCl ₈ ·6H ₂ O - 5 822	Erblum, Er	1	86	4	65	7	202		-		-	ĺ	-	10	65		-	12	98
ErB ₁₂ Erblum carbide, ErC ₂ Erblum chloride hexahydrate, ErCl ₈ ·6H ₂ O - 5 822	Erblum borides:																		
Erblum carbide, ErC ₂ Erblum chloride hexahydrate, ErCl ₈ ·6H ₂ O - 5 822	Er.	1	_		-	ŀ	-		-		-	8	727	[-		-		_
Erblum chloride hexahydrate, ErCls·6H2O - 5 822	ErB ₁₂		-		-		-		-	i	-		-		-		-	13	755
Erblum gallate	Erblum carbide, ErC ₂		-		-		-		-	i	-		-		-		-	13	935
Erblum gallium oxide, Er ₉ Ga ₈ O ₁₂ , garnet	Erbium chloride hexahydrate, ErCl _s ·6H ₂ O		-	5	822		-		-		-		-		-		-		-
Erblum nitride, ErN	Erbium galiate	ľ	-	5	1440		-		-		-		-	!	-		-		-
Erblum oxide, Er ₂ O ₃	Erblum gallium oxide, Er _s Ga _s O ₁₂ , garnet	1	-	5	1440		-		-		-		-		-		-	}	-
Erythrene	Erbium nitride, ErN		-		-		-		-		-	8	1090	:	-		-		_ !
Erythrene	Erblum oxid⊕, Er₃O₃		-	5	86	8	257 259		-		-		-		-		-	13	231
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	Ethane, hexadeuterated			6s	35		_		_	.	_		_		_				_

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1,2-Ethenediamine	1	-	63	37	Ë	-	H	-	H	-		-	f	-		-		-
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Ethene-ethylene, mixture	}	_] -		~		-	}	-		-	•	-	11	417		-
Ethene-hellum, mixture	3	329		-		-		_	Ì	-		-		-		-		-
Ethane-hydrogen, mixture	1	_	1	-		-		_	l	-		-		-	11	419		-
Ethane-methane, mixture		_		-		-		-		-	•	-		-	11	421		-
Ethane-methane-nitrogen-propane, mixture		_		-		-		-		-		-		-	11	596		-
Ethane-propane, mixture	ı	-	١	-		-		-		-		-	ĺ	-	11	423		-
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Ethanoic acid	İ	-	68	1	l	-	l	-		-	ĺ	-		-		-		-
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Dimethyl ether—methyl formate, mixture	3	474	1	-		-		-		-		-		-	ŀ	-		-
Dimethy! ether—propase, mixture	Э	456	l	-	ĺ	-		-	l	-		-	İ	-		-		-
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Ethine	1	-	6	117	1	-	1	-		-		-		-		-	1	-
Ethinyl trichloride	Ì	-	65	91		-		-		-	1	-		-	İ	-		-
Ethoxyethane	1	-	6	194		-	ļ	-	l	-	l	-		-		-	l	-
Ethyl acetate		-	6=	35	1	-	l	-	l	-	İ	-		-	ĺ	-	İ	-
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Ethyl alcohol	3	169	6	180	1	-		-		-	ļ	-	1	-	11	172		-
Ethyl aldehyde	1	-	6s	1		-		-		-	l	-	l	-		-	1	-
Ethyl benzene	1	-	68	35	1	-		-	1	-	1	-	1	-		-] - [
Ethyl bromide	1	-	61	4		-		-		-		-		-		-	1	-
Ethyl butanoate	1	-	6s	37	1	i -	1	-	l	-		-	1	-	1	i -		-
Ethyl butyrate		-	68	37	1	-		-	l	-	1	-		-		-	l	-
Ethyl carbinol		-	65	77		-		-		-	1	-	ļ	-		-	ļ	-
Ethyl chloride	1	-	68	21		-		-		-		-		-		-	L	-
Ethyl dimethylmethane		-	61	59	1	-		-		-	İ	-	l	-		-		<u> </u>
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Ethyl either-hydrogen, mixture		-	l	-		-		-		-	l	-		-	11	519	<u>'</u>	-
Ethyl ethylene	İ	-	6:	8	1	-	1	-	1	-	1	-	1	-		-	1	<u> </u>
Ethyl fluoride		-	61	41		-		-	l	-	1	-		-		-	1	-
Ethyl formate	1	-	61	38		-	1	-	1	-	1	-		-	-	-		-
3-Ethyl hexane		-	61	38	1	-		-		-		-		-		-		-
Ethyl hydrosulfide	1	-	61	35		-		-		-		-	1	-		-		- :
Ethyl (sobuty) methane		-	61	64	1	-		-		-		-		-	1	-	1	<u> </u> -
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Ethyl ketone		<u> </u> _	61	72						-		-		-		-	L	

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Substance Name	Co	ermei nduc- vity		ecif.	Emi:			lec-		sorp~		ens~	Di	ermel ffu- vity	• 1	sco- ty	Ex	erme! pen- ori
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Ethyl methenoate		-	6s	38		-		-		_		_		<u> </u>		-		_
Ethyl methyl acetylene		-	68	73		-		_		_		-		-		-		-
Ethyl methyl carbinol	j	_	6 s	7		-		-		-	ì	_		ļ _		-	Ĺ	_
Ethyl methyl ketone	ļ	_	68	7		-		-		-		-		· _ ·		-	ı	_
3-Ethyl-2-methylpentane	1	_	68	38		- 1		_		_		-	l	-	l	-		-
3-Ethyl-3-methylpentane		_	6 s	38		_		_		_	ĺ	_	ĺ	i - I		_	ĺ	-
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1-Ethyl-1-propenol	- 1	- 1	68	72		_		_		_		-		-		_	l	-
Ethyl propionate		- '	6s	38		_		-		-		-	l	-		-		_
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Ethylene-hellum, mixture	3	331		_	}	_)	-		-		- 1		-		_		-
Ethylens-hydrogen, mixture	3	413		_		_		_	.	_		_		- 1	11	425		_
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Ethylene-nitrogen, mixture	э	417		_		_		_	,	_		_		_	,,	432	1	_
Ethylene oxide	1	_	6s	37		_ [_		_		_		_		_		<u> </u>
Ethylens-oxygen, mixture))	-		_		_]		_]		-		_		_]	11	434		_
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Europium oxides:			1			[Į	İ				!	ľ	į			
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Europium selenide. EuSe		-		-		-		-	!	-		-	İ	-	ì	-	13	1192
Europium silicate		-	- {	-		-		-		-	8	622	i	-	ļ	-	1	_
Euopium suifate octahydrate, Eu ₂ (SO ₄) ₂ -8H ₂ O		-	5	1197		-		-		-		-	1	-		-		_
Europium sulfide, EuS		-]		-]		-	8	1234		-		-	1	-		-	13	1239
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Febric, rené 41 cloth	2	1102	Г	-	T	-		-		-		-		-		-		-
Fat, beef	2	1072		-	Ì	-		-		-		-		-	1	-		-
Fat, bone	2	1072		-	Ì	-		-	ł	-	l	-		-	1	j -		-
Fat, pig	2	1073		-	ı	-		-	1	-		-		-		-		-
Fayal i te		-		-		•	8	1689		-		-		-	l	-	13	710
Ferric oxide		-	5	110	a	280 282	8	284		-		-	10	391		-	j	-
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Ferrous alloys]	-		-		-		-		-		¦ -	10	331		-		-
Ferrous chloride		-	5	832	2	-		-	ļ	-	l	-		-		-	1	-
Ferrous fluoride	1	-	5	940		-		-	1	-		-		-		-		í - I
Ferrous oxide		-	5	107	·] -		-		-		<u> </u>	1	-		-		-
Fiber, mineral	2	1139		-		-		-	1	-	1	-		-		-		-
Fiber, redwood	2	1091		<u>'</u> -	1	-		-	l	-	İ	-		! -		-	1	-
Fiber, vuicanized	2	1088		-		-		-		-		i -		-		-	1	-
Fiberboard, cellulose	2	1110		-	1	-		-		-		-		-		-		-
Fiberboard, vegetable	2	1129		-	ł	-		-		-		¦ -		-		-		-
Fiberglass, blanket	2	1115		-		-		-	l	-	1	j -		-		-		. -
Fiberglass, insulation	2	1117		-		-		-		-	-	-		-		! -		- 1
Fiberglass (aminates, epoxy reinforced	İ	-	ł	-		-		-	l	-	Į	-	10	559		_	'	-
Fiberite	2	1052		-		-		-	l	-	ļ	-		-		-	'	-
Fibers, wood	2	1091		-		-		-	ĺ	í -	Ĭ	-		ļ -		-	Ì	-
Fir	2	1073	ł	-	1	-	l	-	l	; -	}	-		-	ļ	-		-
Fir, plywood	2	1114		-		-	1	-		-	l	-		¦ -	İ	-		-
Firebrick, Missouri	2	905		-	ĺ	-		_	Ì	-	ĺ	-	ĺ	-	ĺ			- 1
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Fluon, poly(tetrafluoroethylene)		-	İ	-		-		-	ļ	-		-	ļ	' -		_	13	1446
Fluophosgene	İ	-	63	16	1	-		-	1	-		-		-	Ì	-	:	-
Fluorethane	ł	-	6s	41		-		-	ŀ	-	l	-]	 -		-	'	-
Fluorides, cubic perovskite, miscellaneous		-		-		-	8	987	l	-	8	1		-		-		-
Fluorides, miscelianeous		-		-		-	8	991	ĺ	-	8	993		-		-	İ	-
Fluorine, F ₂	3	26	Į	l .	1	-		-		-		-	ļ	<u> </u>	11	16	} .	
Fluorine, monatomic		-	6s	38	1	-		-	l	-		-		-		_	1	: -
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Fluoroform, monodeuterated	1	-	68	4:	ł	-	1	! -		-		-		† -		-	'	
Fluoroformyl fluoride		-	6s	16	1	-	[-		-		-		i -		-		: -
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Forsterite, Mg ₂ S1O ₄	2	275		-	Ì	-	8	1689	8	1692		-	ł	- 1		-	13	720
Frenchtown 4402		-		-	8			-		_		-		-	1	-]] -]
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Fuel, SNAP		-		-		- 1		-		-		-	10	541		-		-
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e-Furfuryl carbinol		-	6s	43		-		-		-		-		-		-		-
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Gedolinium, Gd	1	93	4	72		-	7	204		-	7	207	10	67	l	-	12	107
Gedolinium boride, GdB.		-		-		723		-		-	8	727		-		-		-

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Gadolinium carbide, GdC ₂		-		-	1	1-	Г	-		-		-	Г	-		-	13	935
Gedolinium chloride hexahydrate, GdCl ₈ ·6H ₂ O		-	5	82	6	-		-		-		-		-		 -		-
Gadolinium-Indium Intermetallic compound, Gding		-		-		-		-		_		-		-		-	12	526 529 530
Gadolinium-Iron Intermetallic compound, Gd ₂ Fe,,		-		-		-	<u> </u> 	-	<u>.</u>	-		-		-		-	12	527 529 531
Gadolinium molybdenum oxide, Gd ₂ O ₂ -3MoO ₃		-	ŀ	-	}	-		-	}	-		-		-	}	-	13	520
Gadolinium nitrate hexahydrate, Gd(NO _a) _a -6H ₂ O		_	5	114	2	-		_		_		_	1	-		-		-
Gadolinium oxide, Gd ₂ O ₂		-	5	9	2	8 263 265 267 269		-		-		-		-		_	13	239
Gadolinium-palladium intermetallic compound, GdPd _a		-		-		-		-		-		_		 		 - 	12	528 529 532
Gadolinium oxide + samerium oxide, mixture	2	356		-		-		-		-		-		-		-		-
Gadolinium oxide + terbium, cermet	ı	-	l	-	1	-		-	Ì	-		-	l	-		-	13	1341
Gadolinium sillcide, GdSI ₂	1	-		-		8 1173	1	-	j	[-]		-		-		-		-
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Gallium, Ga	1	97	4	7	5	-	7	210	7	213	7	216	10	68	1	-	12	115
Gallium antimonide, GaSb	1	-	5	30	이	-	8	1287	Ì	-	8	1290	1	-		-		-
Gaillum arsenate, GeAsO ₄	ł	-		-	1	-		-	1	-		-	}	-		-	13	619
Gallium arsenic phosphide	1	-	ł	-	1	-	8	1107	1	-		-		-		-	}	-
Gallium arsenide, GaAs	1	1277	5	30	7	-	8	679		-	8	683	10	462	}	! -	13	747
Gallium arsenide + gallium phosphide, mixture	1	1423		-		-		_		-		-		-		-		-
Gallium-nickel intermetallic compound, GaNi		-	Ì	-	1	-		-		_		-		-		-	12	533
Gallium nitride	l	-		-	1	8 1087		-		-		-	l	-		-		-
Gallium oxide, Ga ₂ O ₃		-	5	9	5	-		-		-		-	l	-		<u> </u>		-
Gellium phosphate, GaPO ₄	1	-	ļ	-	1	-		-	1	-		-	1	-		-	13	690
Gaillum phosphide, GaP	1	-	5	52	0	8 1092	8	1094		-	8	1098		-	İ	<u> </u>	13	1168
Gallium selenide, Ga ₂ Se ₃	l	-		-	ı	-		-	1	-	ŀ	-		-		-	13	1192
Gallium-silver intermetallic compound, GaAgs		-		-	l	-		-		-		-	Ì	<u> </u>		-	12	536
Gallium telluride, Ga ₂ Te ₈	1	-	5	72	3	-	İ	-		-		-		-	l	-		-
Garnet	3	278		-	1	-	j	-	1	-		-		-		-		-
Gernet, dysprosium siuminum oxide	1	-		-	ļ	-	1	-	}	-		-	1	-	}	-	13	476
Gernet, ErsGesOta		-	5	144	٥	-		-		-	ł	-	}	-	}	-	-	-
Garnet, yttrium aluminate		-	1	-		-	8	579	1	- :	l	-		-	1	-		-
Garnet, yttrium eluminate, YAG		-	•	-	ĺ	-	8	579	1	- '		-		-		-	1	-
Garnet, yttrium ferrate	2	311	l	-	Ì	-	1	-	1	-		-		-		-		-
Gas, laughing	Э	114	6	9	2	-	1	-	1	-		-		-		-		-
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Genetron 11	3	183	6	200		-		-		_		-		_		_		_
Genetron 12	3	187	6	204	l	_		-		_ !	l	-		_		- '		_
Genetron 13	з	191	6	210		-		-		-		-		_		ļ -		-
Genetron 22	Э	197	6	218	ļ	_				_ '		-		_		-		-
Genetron 31		-	6s	21		-		-		-		-		-		-		-
Genetron 113	Э	201	6	224		-		-		-		-		-		-	li	-
Genetron 114	3	205	6	228	l	-				-		-		-		- ,		-
Genetron 123		_	65	29		-		-		-		-		-		-		-
Genetron 141		-	6s	28		-		-		-		-	1	-		-		-
Genetron 1132A		-	68	30	ĺ	-		-		-	ŀ	-		-		-		-
Germanlum, Ge	1	108	4	79	7	219 222 224	7	231		-	7	236 240	10	69		-	12	116
Germanium 74, enriched	١,	112		-	ĺ	_		-	ĺ	-		-	•	-		-]		-
Germanium atloy, Ga + Si	١,	597	1	-		-		-		-	ŀ	-	10	241		-	1 1	-
Germanium hydride, GeH ₄		_	5	1033	ŀ	-		-		-		ļ -				-		-
Germanium-lanthanum (ntermeta)lic compound, GeLa		_		-		_		-		-		-		-		-	12	537
Germanium magnesium intermetallic compound, GeMgg		-		-		-		-		-		-		-		-	12	538
Germanium oxides:	ł					}						l						
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Quartz type		-		-	ĺ	-		-		-		-		-		-	13	243
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Germanium-praseodymium !ntermetallic compounds:																		
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Germenium silicide, nonstoichiometric		-	5	574		-		-		-		-		-		-		_
Germanium teliuride, GeTe	١,	1280		-		-	8	1250		-		_		: -		-	13	1270
Glass, aluminosilicata		-	5	1227	ł	-		-		-		-		-		-		-
Glass, aluminosilicate 723	2	923		-		-		-		-		-		-		-		-
Glass, aluminum silicate		-		-	•	1523	•	1525	8	1527	8	1526 1530		-		-		-
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Glass, AO 1053		-		-	1	-		-		-	8	1533		-		-		-
Glass, arsenic		-		-		-				-	8	1535	j	-		-		-
Glass, arsenic-selenium		-		-		-		-		-		-	'	-		-	13	1346
Glass, barium borate		-		-		-		-		-		-		-		-	13	1349
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Glass, boric oxide	†	-	\vdash	-	Г	-	Г	-	-	-		-		-	Г	-	13	1352
Glass, borosilicate	2	923 924	5	1230	8	1539 1541	8	1543	8	1545	8	1546 1547		-		-	13	1 355
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Glass, borosilicate, 3235	2	923		-		-		-	ŀ	-	ŀ	-		-		-		-
Glass, borosilicate, crown	2	923		-		-		-	ľ	-		-		-		-		_
Glass, borosilicate, pyrex 7740		-	1	-		-		-		_	١.	-		-		_	13	1 356
Glass, calcium aluminate	l	_		_	ı	•	8	1551		_	a	1553	ļ	_		_		1358
Glass, calcium borate	2	923	1	_	i		ŀ	-	l			_] _ ;	l	_	"	-
Glass, cellular Glass, ceramics cercor code 9690	1	-		_	İ	_		_		_		_	10	583		_		_
Glass, coloniess	2	924		_	1	_		-		_ '	1	_		_		_		_
Glass, Corning 0080	2	511		_		_		_	1	_		i _	10	441		_	13	1 360
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Glass, Corning 0160		-		-		-		-	1	-	8	1642	1	- !		-		_
Glass, Corning 1173		-		-		-	l	-		_		-		-	ł	-	13	1361
Glass, Corning 1723	j	-	5	1227	8	1524	8	1526	8	1527	8	1529 1531	10	432 578		-		-
Glass, Corning 7570	Ì	-	١.	-	,	-		-		-		-		-		-	13	1362
Glass, Corning 7740	2	933	1	-	8	1580	8	1588	8	1589	8	1590 1594	10	437 578	ŀ	-		-
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Gold, Au (continued)	1	132	Г	83		Ť	7	258 264 267		269 271 273 275 277		-	10			-	12	
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Graphite, CSF-MTR	2	63		-	ł		-		-	ł	-	-	-		· -		-		-
Graphite, deposited carbon	2	32		-			-		-	-	-	1	-		! -	Į	_		-
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Graphite, expanded pyrolytic		-		-	ĺ		-		-	1	-		-	10	37		-		· -
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Graphite, fuel-filled	2	548	1	-			-		-	1	- 	1	_		-	1	-		-
Graphite, G-5	2			-			_		_		_		-		-		-		-
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Graphite, G-9	2	61		-			-		-		-		-		-		-	13	72 73 74
Graphite, GBE	2	54 55		-		8	32 45	8	66	8	76	1	-		-		-	13	1
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Substance Name	Co	armal nduc- vity		scif sat		is- /ity		flec- vity		sorp- vity		ens-	Di	ermel ffu- vity		ty		ermal San- Sn
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Graphite, GLI-S4, Great Lakes impervious		_		_		_		_		_		_		_		_	13	125
Graphite, H1LM	ı	_	ł	_	8	33	ł	_		_		_		-		_	"	-
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Graphite, H3LM	ł	-		-	8	33 46		-		-		-	ł	-	1	-	13	125
Graph:te, H4LM	2	61		-		-		-		-		-		-		-		-
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Graphite, H249		-		-		-		-		-		-		-	ŀ	-	13	125
Graph.te, Japan domestic	2	56		-		-		-		-		-		-		-	ŀ	-
Graphite, JTA	2	70 72		-		-		-		-		-		-		-	13	126
Graphite, karbate	2	59		-		-		-		-		-		-		-	1	-
Graph⊦te, Kor!te	2	55		-		-		-		-		-	l	-		-		-
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Graph:te, MH4LM	2	70	l	-		-	l	-		-	l	-	l	-		-		-
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Graphite, natural Caylon	2	55	1	-		-		-		-	l	-	}	-		-	13	126
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Graphite, pile H-CSII				_ "		_		-		_				_		_	13	75
Graphite, POCO	2	1		_		_		_		_	1	_		_		_	"	
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Graphite, SA25	2	42		-	Ì	-		-	l	-	l	-		-		-		-
Graphite, siliconized		-	1	-	9	1325		-		-		-		-		-		-
Graphite, SPK		-		-	8	1328	В	70 74		-		-		-		-		-
Graphita, supertemp pyrolytic	2	72		_		-		-		_		_	10	33		-		-
Graphite, SX-5	}	-		-	ĺ	-	•	-		j -	l	-	10	37		-	13	127
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Graphite + bromine, mixture	2	767	1	-	1	-	ł	-		: <u>-</u>	l	ļ -	1	-		; -		-
Graphite nitrate, C24NOs		_		_		-		ļ -	1	<u> -</u>	1	i _		, -		-	13	671
Graphite + silicon carbide, mixture	1 2	789		_		_		_		_	1	<u> </u>	-	· , -]	<u>.</u> –		-
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Graphite + tantalum carbide, mixture	1,	i		-	1			 	1	-	ł		}	-	1	i _		_
Graphite + thorium dioxide, mixture	2	544 557		-	1	į -	l	-	1	_	1	! -		-	1	: -		_

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Graphite + uranium dicarbide, mixture	2	770	T	-	Г	-	Τ	-	Г	-	Т	-	1	-		-		-
Graphits + uranium dioxide, mixture	2	547	-	-		-		-		-		-		ļ - ₁		! -		-
Graphite + zirconium carbide, mixture		-	1	-		-		_		-		-	1	-		-	13	964
Gypsum		-		-		-	8	1698		-		-		-		i -		-
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Hafnium, Hf	1	138	4	87	7	280 282 284		-		-		: -	10	77		-	12	134
Hafnīum alloys:												!		1			!	
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Hafnium beryllide, Hf ₂ Be ₂₁		-	5	313		-		-		-		-		· -		i -	!	
Hafnium boride, HfB ₂		-	5	341	8	730 732		-		-		-	10	465		' -	13	758
Hafnium carbide, HfC	2	575	5	420	8	850 852		-		-		-	10	467		· –	13	848
Hafnium carbide + carbon, mixture		-		-		-		-		-		-		-		-	13,	946
Hafnium diboride + cerbon, mixture	1	-		-		-		-		-		-	10	521		-		-
Hafnium diboride + silicon carbide, mixture		-		-		-		-		-		-	10	523		-		-
Hafnium diboride + silicon carbide + carbon, mixture		-		_		-		-		-	ļ	-	10	525		! -		<u> </u>
Hafnium dioxide + iron, cermet		-		-		-		-		-		-		-		-	13	1317
Hafnium fluoride, HfF4		-	5	937		i -		-		_		<u> </u>	l	ļ -		_		: -
Hafnium nitride, HfN	2	659	5	1081	8	1056 1058 1060		-		-		-		-		-	13	1162
Hafnium oxide, HfO ₂	2	150	5	101	В	273	8	275		-		-		-		 -	13	251
Hafnium silicate, HfSiO ₄		-		-		¦ -		-		-		-		_		-	13	727
Hafnium tantalum oxide, 6HfO ₂ ·Ta ₂ O ₈		-		-		! –		-		j -		-		-		-	13	534
Hair felt	2	1099	ł	-		-		-		-		-		! -		-		 -
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Haynes LT-1, cermet		-		-	8	1356		-		-		-		<u> </u>		· -		-
Haynes LT-1B, cermet		-		-	8	1 356		-		-		-		-		i -		-
Haynes LT-2, cermet		-		-	8	1375		-		-		-	ĺ	-	İ	-	1	! -
Haynes stellite alloy 21, Vitallium type alloy	١,	948		-		-		-		-		-		! -		<u> </u>		-
Heavy ethane, C_2D_6		-	6s	35		-		-		-		-	1	<u> </u>		-		-
Heavy hydrogen, D₂	3	21	6	15	1	-		-	1	-	1	-		i -		-	;	; -
Heavy hydrogen, monatomic		-	68	26		-		-		-		-	1	_		-		-
Heavy water, D ₂ O		-	6 s	95		-		-		-		-		-		-		-
Heilum, He	3	29	6	23	1	-		-		-		-	1	· -	11	16		-
Hellum-hydrogen, mixture	3	333		-		-		-		-		-	1	; -	11	302		-
Hellum-krypton, mixture	3	276]	-		-		-		-]	-		- 1	11	260		-
Hellum-krypton-xenon, mixture	3	480		-		-		-		-		-		-		! -		-
Heliun-methane, mixture	3	338	L	-		-	L	-	L	_	L	<u> </u>	L	-	L			-

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Helfum-neon, mixture	3	271		-		-		-		ļ -		-		-	11	269		! -
Hellum-neon-deuterium, mixture	3	489		ļ		· <u>-</u>		-		-		-		- !		-		
Helium-neon-xenon, mixture	3	482		-		-		-		-		-		-		: -		-
Hellum-nitrogen, mixture	3	340		-	1	-		- 1	Ì	! -	Ì	: -		_	11	308	İ	-
Helium-nitrogen-methans, mixturs	3	487		_		-		-		! -		1 -		i -		-	ł	-
Helium-oxygen, mixture	3	343		-		-		-				-		: - !	11	322		-
Hellum-oxygen-methane, mixture	3	484		-		-		-	l	! -		-		-		-	'	-
Helium-propane, mixture	3	345		-		-		-	İ	-	ĺ	-		! -		· -		-
Hellum-propylene, mixture	3	347		-		-		-		: <u>-</u>	}	-		-		-		- 1
Helium-xenon, mixture	3	280		_		-		-	İ	-		-		-	11	277		-
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Holmium borides:		! 				†				ı								
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Holmlum carbide, HoC ₂		_		_		! -		- 1		_	1	i <u>-</u>		_		_	13	935
Hclmium chioride hexabydrate, HoCls·6H ₂ O		_	5	829		-		· _	!	_		ا _ ا		_	. !	_	. •	_
Holmium nitride, HoN	[_		-				_		_	A	1088		_		_		
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Holmium oxide, Ho ₂ O ₃						. [: "		_	i	_	. 3	23/
Holmium-zinc intermetallic compound, HoZn ₂		-		-		-		-	1	-		-		-		-	12	557
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Honeycomb structures, nonmetellic	2	1010		-	Г	-	Г	-	Γ	-		-	Γ	-			П	-
Hydrang(1) its	1] -] -		-		-		-	B	1664		-		-		-
Hydrangynum	1	212	4	131		-		-		-		-		-		-		-
Hydrazine	- }	-	68	44]	-		-] -		-		-		-		-
Hydrazine, anhydrous		-	65	44		-		-		-		-		-		-		-
Hydrobromic acid		-	6s	45		-		-		-		-		-		-		- '
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Hydrofluoric acid	-	-	6s	46		-		-	1	-		-		-	1	-		-
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Hydrogen, sulfuretted	- {	-	6	78	ł	-		-		-	1	-	l	-		-	1 1	-
Hydrogen arsenide		-	6s	2		- '		-		-		-	l	-		-	lÌ	-
Hydrogen bromide	- 1	-	6s	45		-	l	-	l	-		-	1	-	Ī	-		-
Hydrogen chloride, HC:	3	101	6	72	l	-		_		-		-		-	11	76		-
Hydrogen cyanide	- 1	-	6s	46	l	-	l	-		-	l	-		-		-		-
Hydrogen fluoride, HF		-	6 s	46		-		-		-		-		- '		-		-
Hydrogen fluoride, monodeuterated	-1	-	6s	47	l	-		-		-	1	-	1	-)	-		-
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Hydrogen-krypton, mixture	ј з	351	ĺ	-	ĺ	-	ĺ	-	Ì	-		-	ľ	-		-		- !
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Hydrogen monatomic		-	63	48		-		-		-		-	l	-		-		-
Hydrogen-neon, mixture	3	362		-		- '		-	ĺ	ĺ -		-		-	11	337		-
 Hydrogen-neon-nitrogen, mixture	3	494	l	-		-		-		-		-		-		-		- '
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Hydrogen-nitrous oxide, mixture	3	427		-		-		-	l	- '	l	-		-	11	458		-
Hydrogen dioxide, H ₃ O ₃		-	68	49		-		-		-		-	}	-		-		-
Hydrogen peroxide, H ₂ O ₂		-	62	49		-		-	1	-		-		-		-		-
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Iron, cast, nickel-resist	١,	1204		 		-		_		_		-		_		¦ -		_
Iron, cast, Nr 1510, spherical	1	1222		-		-		-		- 1		: _		-		! -		-
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Iron chromium oxide, FeO·Cr ₂ O ₈		-	5	1446		-		-		-	l	-	1	-	1	-		-
Iron cobalt oxide, FeO-Co ₂ O ₂		-	5	1449		-		~	1	-		-	1	-		-		-
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Iron fluoride, FeF2		-	5	940		-		-	l	-		-	1	-		-	13	1030
Iron-lutetium intermetallic compound, Fe,,Lu ₂		-		-		-		-		-		-	l	-		-	12	571
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Iron phosphide, Fe _s P		-		-		-		-		-		-		-		-	13	1183
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Iron titanium oxice, FeO-TIO;	- }	-	5	1455]	-		-		i -	[-		-		-		-
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Intran 4, ZnSc		-		-	8	1113 1115	8	1119	8	1122	8	1125		-		-		-
Irtran 5, MgO		-		-	8	296		-		-	В	325		-		-	13	291
irtran 6, CdTe	-	-		-	8	1240	8	1242		-	8	1247		-		-	13	1245
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Lanthanum telluride, LaTe	1	1 304	ĺ	-		-	•	-		-	•	-		-	•	-	13	1270
Lanthanum-tin intermetallic compound, LaSn _a		-		-		_		_		-		-	}	-		-	12	580 581 583
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Lead molybdenum oxide, PbO-MoO _s		-	5	1458		-	1	-		-		-		-		. -		-
Lead nitrate, Pb(NO ₂) ₂	1	-		-		-	1	-		-	1	-		- l	1	' -	13	
Lead oxide + silicon dioxide, mixture	2	359	1	-		-	1	-		-		-		-		; -		-
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Lithium aluminum fluoride, LigAIFa	 	-	5		-	- 		-		-	-	-		-	_	+	1 -
Lithium aluminum oxide, LIAIO ₂		_	5	1464	-	.]		-		-		-	ļ	_		}	
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Lithium beryllium fluoride, Li ₂ BeF ₄	1	-	5	950	-	. [_		-	Ì	_		<u> </u>	-	ĺ	-
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Lithium hydride, LiH	2	773	5	1036	-			-		-	ĺ	-	1	· ~	-	113	1079
Lithium hydrogen fluoride, Lifff ₂	1	-	5	953	~	`	1	-		,	1	-		-	-	1	-
Lithium hydrozinium sulfate, Li(N ₂ H ₆)SO ₄		-	_	-	-	•		-		-		<u> </u>	ł		-	113	3 734
Lithium iron oxide, Li ₂ 0-Fe ₂ 0,		-	5	1	-	·		-		-		-			-	-	-
Lithium iron oxide, nonstoichiometric	1	-	5	1470	~			-		-		-		· -	-]	526
Lithium nioblum oxide, Li ₂ 0·Nb ₂ 0 ₈	_	-	١.	-	-		8	598		-		-		: -	-	113	1 526
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Lithium sulfate, Li ₂ SO ₄		_		_	_			_		_		-	l	! _	_	Ţ	539
Lithium tentalum oxide, Li ₂ 0-Te ₂ 0 ₈			 	1473	i					ĺ _			ĺ	_		["	; _
Lithium titanium oxide, Li ₂ 0-TiO ₂	1	_	۱	-	_			_		 _	l a	994	l	_] _		_
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Lutetium, Lu	1	198	4	121		i -	7	347		-	7	350	10	108		-	12	190
Lutetium boride, ŁuB ₁₂		-		-		-	Ì	-		-		-		-		-	13	793
Lutetium deuteride, LuD		-		-		-		-		-		<u> </u>	l	_		-	13	1083
Lutetium hydride, LuH		-		i -		-		- 1	Ì	_		_	ļ	-		-	13	1083
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Mg + Zn	1	680		-		-		-		-				-		-	12	888
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Mg + Al + ΣXi , anodized		-		-		-	9	1277	!	-		-		-		-		-
Mg + A1 + ΣXi, AN-M-29	1	999	4	535		- 1	:	-	i	-		-	10	294		-	12	1204
Mg + A1 + ΣΧί, ΑΖ31		-		-	7	1328	7	1332	7	1334		-		-		-		-
Mg + Al + ΣXέ, AZ31A	1	999		-		-	:	-		-		-		-		-		1 202 1 204
Mg + A1 + ΣΧ4, AZ31B		-	4	535		-	7	1332		-	l	-		-		-		_
Mg + A1 + ΣXi , AZ31B, anod1zed]	-		-		-	9	1277		-		-		-		-		-
Mg + A1 + ΣΧέ, A2-80		-	4	535		-		-		-		-		-		-		-
Mg + Al + ΣXi , elckton 2	1	999		-		-	ļ	-	į	-		-		-		-		-
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Mg + Co + ΣXi	1	1004		-	,	-	į	-	,	-		-		-		-		-
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Mg + N1 + XX£	١,	1008		_		_		_		_		_		_	1	_	1	_						
Mg + Th + ΣΧέ	1	-	۱,	538	٦,	1336	۱,	1338	١,	1340	ļ	_	10	295	ļ	_	12	1208						
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Mg + Th + ≥xℓ, enodized		-	ĺ	-	ľ	_	9	1281	İ	-	l	-	ł	-	ł	-	l	-						
Mg + Th + ΣΧί, ASTM B80 HZ-32A		-		-		-		-		-		-		-		-	12	1208						
Mg + Th + ∑X4, HK-31		_		_	١,	1336	٦,	1338	7	1340	ĺ	_	10	296	ĺ	_ ,		1212						
Mg + Th + ΣΧέ, HK-31A		_	4	538	′	-	1	1281	′	-		-	110	i -]] _						
Mg + Th + Σχέ, HM-21XA		_	4	538		_	ľ	_		_		_	"	_		_		_						
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Mg + Zn + ΣXί	}] -	4	541		-		-		-		-		-		-	12	1209						
Mg + Zn + ΣX↓, ASTM B80 ZH-32A		_		_				_		_		_		_		_	,,	1213						
Mg + Zn + Σχέ, ASTM B90 HM-21A	1			_		_		_		_		_				_	Ι.	1212						
Mg + Zn + Σχέ, elektron AMT	İ	_		_		_		_		_		_		_		_		1209						
Mg + Zn + Σχέ, ZK-60A	1	_	4	541		-		-		_	ł	_		_	1	-	-	/_						
Magnesium aluminate, natural ruby spinel	2	284		_		-		_		ĺ -		_		-		_		-						
Magnesium aluminate + magnesium oxide,	1.								ĺ			i		i	ĺ	1	1	 						
mixture	2	362		_]	_		_		_		_		-		-		_						
Magnesium aluminate + silicon dioxide, mixture	2	365		-		-	Ì	-	1	-		-		-		-		-						
Magnesium aluminate + sodium oxide, mixture	2	368		_		_		_		_		_	10	428		_		_						
Magnesium-aluminum intermetaliic	1																							
compounds:	1												ı			:								
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Magnesium atuminum oxides:	2	203	_					-76										470						
MgO-Al ₂ O ₈	2	286	5	1479		-	8	576		-	8	577	10	418		{ -	13	479						
$2Mg0-7Al_2O_2$ Magnesium aluminum silicate, $Mg_2Al_4Sl_5O_{12}$	-	_	5	1503		,		_		_		_		_	İ	_	13	727						
Magnesium aluminum silicate, mg ₂ ni ₄ si ₅ 0 ₁₂ Magnesium antimonīde, Mg ₂ Sb ₂	١,	1310		_				_		-		-		¦ _				_						
Magnesium-entimony intermetallic	1					' '											!							
compound, Mg ₈ Sb ₂	'	1310		-		•		-		-		-		-		-		-						
Magnesium borides:														i i										
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MgB.	2	776	3	346			8	590		_		_	10	421		_	12	643						
Magnesium carbonate, MgCO,	1	, , 6		_		-		350		_		_	. ,	741		-		J-13						
Magnesium chiorides:		_	5	838				_		_		_				_		-						
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MgC12·2H2O	L		ات												L	l 1								

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Magnesium chiorides: (continued)														1				
MgC1 ₂ ·4H ₂ O		-	5	847	·	-		-		-		-		-		-		-
MgC1 ₂ ·6H ₂ O		-	5	850		-		-		-		-		-		-		-
Magnesium chromite		-	5	1482	2	-		-	1] -	}	-		-		-		-
Magnesium chromium oxide, MgO·Cr ₂ O ₈		-	5	1482	2	-		-		-		-		-		-	13	486
Magnesium ferrite		-		-		-		-		-		-		-		-	13	513
Magnesium fluoride, MgF ₂		-	ì	-		-		-	l	-	ĺ	-	ł	-		-	13	1043
Magneslum germanide, Mg ₂ Ge		-	5	481	1	-		-		<u> </u>		-	10	374	ĺ	-		-
Magnesium-germanium intermetallic compound, Mg ₂ Ge	1	1311		-		-		-		-		-		ļ -		-		-
Magnesium germanium oxide, 2MgO-GeO ₂		-		-		-		-		-		-		-		-	13	497
Magnesium Iron oxides:							1							!	l		1	
MgO·2FeO		-	ł	-		-	l	-		-		-		-		!	13	510
Mg0·Fe ₂ 0 ₈		-	5	1485	i	-		-		-	İ	i -		-		-	13	513
Nonstolchlometric		-	5	1488	4	-		-		-		<u> </u>		-	1	-	ĺ	-
Magnesium lead tungsten oxide, MgO-2PbO-WO _s		-		-		i _		-		-		-		 -		-	13	591
Magnesium molybdenum oxide, MgO-MoOs		-	5	1491		-		-		-		-		-		-		-
Magnesium niobium oxides:										İ]		ļ		
MgO·Nb ₂ O ₆		-		-		-		-		-		-	ļ	-		-	13	531
2MgO⋅Nb ₂ O ₈		-		-		-		-		-		-		-		-	13	531
3MgO·Nb₂O ₈		-		-	}	-		-		-	}	-		-		-	13	531
4MgO·Nb₂Q ₈		-		-		-		-		-		-		-		-	13	531
Magnesium nitride, Mg _s N ₂		-	5	1084	1	-		-		-		-		-	Į	-		-
Magnesium orthosilicate + magnesium oxide, mixture	2	394		-		-		-		 -		-		-		-		-
Magnesium oxide, MgO	2	158	5	140	8	290 291 293 295	ı	298 299 314		319 322	8	323	10	393		-	13	288
Magnesium oxide + magnesium silicate, mixture	2	378		_		-		-		-		_		-		_		-
Magnesium oxide + manganese oxide, mixture	2	398		-]	-] -				-		-		-		-
Magnesium oxide + nickel oxide, mixture	2	381		-		-		-		-		-		-		-		-
Magnesium oxide + silicon dioxide, magnezit	2	385 481		-		-		-		 - 		-		-		-		-
Magnesium oxide + silicon dioxide, mixture	2	384		-		-		-		-		-	10	440		-		-
Magnesium oxide + silicom dioxide + 204, mixture	2	484		-		-		-		-		-		-		-		-
Magnesium oxide + talc, mixture	2	550		-		-		-		-		-		-		-	1	-
Magnesium oxide + tin dioxide, mixture	2	387 416 523		-		-		-		-		-		-		-		-
Magnesium oxide + unenium dioxide, mixture	2	390		-		-		_		-		-		-		-		-
Magnesium oxide + zinc oxide, mixture	2	391 435		-		-		-		-		-		-		-		-

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Magnesium oxide + zirconium oxide, mixture	2	446		-		-		-		-		-	10	451		-	П	-
Magnesium phosphate, Mg(PO _s) ₂ , mixture		-		-		- '	8	608		-		-		_		-	13	690
Magnes!um silicates:		ļ	l		ŀ							1		1		1		! !
MgS10 _e		-	5	1497		-	8	618		-		-		-		-	13	715 716 71
Mg ₂ S1O ₄	2	275	5	1497		-	8	618		ļ -		_	10	422		-	13	716
MgaSl4O11-H2O	}	-	5	1500		-		-		-		-	l	-		-		-
Magnesium silicide, Mg ₂ Si	1	1314		-	8	1173		-		-		-		-		i -	13	1213
Magnesium-silver intermetallic compound, MgAg		-		-	ł	-		-		-		-		 -		-	12	585
Magnesium stannate, MgSnO _s	2	289	ļ	-		-		-		-		-		-		-		-
Magnesium stannide, Mg ₂ Sn	1	1317		-		-		-		-		-	10	375		-		-
Magnesium-tin intermetallic compound, Mg ₂ Sn		-		-		-		-		-		-		-		-	12	586
Magnesium titanium oxides:												ļ						
MgO·TIO ₂		-	5	1506	ĺ	-		-	ĺ	-		-		-		-		-
Mg0·2T10 ₂		-	5	1509		-		-		-		-		-		-	13	567
2Mg0-T10 ₂		-	5	1512		-		-		-		-		-		_	13	568
Magnesium tungsten oxide, MgO-WO _s		-	5	1515		-		-		-	}	-		-		-		-
Magnesium vanadium oxides:	l				ı													ĺ
MgO·V ₂ O ₆		-	5			-		-		-		-]	-		-		-
2Mତୁମ • V₂O ₆		-	5	1521	ŀ	-		-		- 		-		- 1		-		! -
Magnes:um zirconium silicate		-		-	ļ	-		-	8	616	}	-	}	-		-		-
Mehogany	2	1		-		-		-		-		-		-		-		-
Manganese, Mn	1	208	4		1	-		-	ŀ	-	1	-	10	111		-	12	201
Manganese, electrolytic		-	4	127		-		-		-		-		-		-		-
Manganese alloys:	l		١.	!	ł						l							
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Mn + Cu	1	683	4	377	ŀ	-		-		-	l	-		-		-	12	774
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Mn + Fe + ΣX4	<u>'</u> ا	1009		-		-		-		-		_		-		-		-
Mn + Fe + 2X4, Russian, ferromenganese	1	684 1010		-		-		-		-		-		-		-		-
Mn + Fe + ΣX6, Russian, ferromanganese, low carbon	١,	1010		_	İ	-	i	-		-		-		-		-		-
Mn + Fe + ΣΧέ, Russian, ferromanganese, normal	١,	1010		-		-		-		-		-		-		_		-
Mn + Fe + ΣK6, Russian, silicomanganese	١,	1010 1012		-		-		-		-		-		-		-		-
Mn + Si + ΣΧ6	١,	1012		-		-	ļ '	-		-		-		_		-		-
Mengenese eluminum cerbide, Mn _e AIC	1	- :	5	427		-		-		-		-		-		-		-
Manganese aluminum oxide, MnO-Al ₂ O ₈		-		-	1	-		-		-		-		-		- '	13	483
Menganese arsenide. MnAs		-	L	-	L	-				-	L	-		-		-	13	752

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Manganese bromide tetrahydrate, MnBr ₃ ·4H ₂ O	T	-		-		-		-	Г	-		-		-		-	13	808
Manganese carbide, Mn _a C		-	5	433		-		-		-		-		-		-		-
Manganese carbonate, MnCO _s	İ	-	5	1121		-		-	1	-		-		-		-	13	644
Manganese chiorides:					ļ								ļ			1		1
MnC1 ₂		-	5	853		-		-		-		i -		-	ĺ	. -		
MnC1 ₂ -4H ₂ 0	1	-	5	856		-		-		-		-		- '		-	13	1013
Menganese fluoride, MnF ₂		-	5	959	ĺ	-	ĺ	-	ĺ	-		-		-	İ	' -	13	1048
Manganese iron oxide, MnO-Fe ₂ O ₂	2	292		-		-	ŀ	-		-		-	1	i - 1		. -		
Manganese-mercury intermetallic compound, MnHg	1	-		-	ļ	-		-	Ì	-		! -		· -		-	12	591
Manganese-nickel intermetallic compound, MnNi		-		-		-		-	ŀ	_		! -		-		: -	12	592
Manganese oxide + silicon dioxide, mixture	2	. 399		_		-		<u>-</u>		_		-		-		- -		-
Manganese oxide + titanium oxide powders		-		-		-	8	563		-		· -	ŀ	: -		-		-
Manganese oxides:						† 		İ		i			l	į	ŀ			
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MnO ₂	1	-	5	148	1	-		-		<u> </u>		· -	ļ	-			13	305
Mn ₂ O ₈		-	5	151		-		-		-		-	l	! -		. -	13	308
Mn ₃ O ₄	2	170	5	154		-	8	329	ļ	-		ļ -]	-		-		
Manganese-palladium intermetallic compound, MnPd		-		-		-		-		-		 -		-		-	12	593
Manganese phosphide, MnP	1	-		-		-	1	-	l	-		j -	1	-		: -	13	1172
Manganese-platinum Intermetallic compounds:										1						:		
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Mn _a Pt		-		-		-		<u> </u>		-		-		-		! -	12	594
Manganese selenide	1	-	5	539		-		-	İ	-		-	ĺ	-		-		_
Manganese silicate, MnSIO _s		-	5	1524		-	ļ.	-		-		-		-		-	13	727
Manganese silicide, nonstolchiometric		-	5	589	ĺ	-		-		-	Ì	-	ĺ	· ~		-		-
Mengenese silicides:								1			ļ			:				
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Menganese sulfide, MnS		_	5 5	684	ı	-		1234	Ì	_ '		-		-		_		1225
Manganese telluride, MnTe	1	_) 5	732	l .	_	"	1256	Ì	_ 	1	- _	l	-		! -	1.5	1253
Menganese zinc carbide, Mn ₂ ZnC	2			- 430		i -		_		_		_				. -		_
Menganese zinc ferrate, MnZnFe ₂ O ₄	1	253	}	-	1	_ !		_			 a	1664		_		_		_
Mangenite	2	170	5	154		_		_		_	۱ٌ	-				_	,	_
Mengenomengenic oxide, Mn ₂ O ₄	1				1								}			ļ		
Manganous chiorids tetrahydrate, MnCl ₂ -4H ₂ O		-	5	856	1	-		i -		-		-		-		_	!	-
Menganous selenide, MnSe	1	-	5	539		-		-		-		-	1	-		-		-
Manganous telluride, MnTe		: -	5	732		-		-		-		-		-		-	j	-

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Merble, black	2	[] -		-	ĺ	-		-		-		-		-	(-
Merble, brown	2	1		_		-	•	-		_	{	_		-	(_		_
Marble, brown, calcite	2 2			-		_		_		_				-	ĺ	-		-
Merble, powder	1	761	}]]]]			} _						j
Merble, white	2	761	}	-		-	•	-	}	-]	-		ļ -]	-		-
Merble, white, Alabama	2	1		-		-	8	583		-	8	585	10	414]	-		-
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Mercuric oxide, HgO		-	5	157	}	-		-	1	-	1	-	}	-	}	-	()	! -
Mercuric selenide, HgSe	1.	-	5	542		-	•	-		-		-		-	ł	-		-
Mercury, Hg	1!	212	} 4	131		_	}	_	}	-	1] _	10	112	}	-	12	206
Mercury alloy, Hg + Na	1	686	-	_	{	-	a	747		_		_		! -]	_		-
Mercury bromide, Hg ₂ Br ₂		-				-	ľ	,4,	1				1			1		
Mercury chlorides: HgCl ₂	-	_		_	1	_	8	908		-	}	_	}) <u>-</u>		_		i _
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Mercury oxide, HgO	1	-		-	1	-	Ì	-	1	-	8	549			ł	-		! -
Mercury selenide, HgSe	١,	1320	5	542	1	-		-		-		-	1	· -	ì	: :	13	1192
Mercury sulfate, Hg ₂ SO ₄		-	5	1203		-		-		- 1		i -	}	i -	1		}	-
Mercury sulfide, HgS	ì	-	5	687	1	-		-		-		-		-		-		. -
Mencuny telluride, HgTe	1	1321	1	-	{ }	-		-		-	{	-			1	-	13:	1256
Mercury telluride + cadmium telluride, mixture	١,	1407		-	(_		_		-		 -		_		-		_
Mesitylene	ĺ	-	68	57		-	ĺ	<u> </u>		-		-		-		-	l	-
Metal, ross	- { 1	939	{	-	{	-	ĺ	-	1	-	1	-		· - '	ĺ	_	١,	
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Methene	3	218	6	244		-		_		-		-		i -	11	186	j '	_
Methane, dideuterated	1	-	63	58	1	-	1	-		-	{	-		-		-		-
Methane, dideuterated ditritiated		-	68	58		-		-		-		<u>-</u>		; -]	-	'	-
Methane, ditritiated		-	62	58		-		-		-		! -		i -		-		_
Methane, monodeuterated	}	-	68	58		-		-		-	}	-	1			-		-
Methane, monodeuterated tritritiated		-	6s	58		-		_		-	}	· -		-	}	-		: - !
Methane, monotritiated)	-	68	58	1 }	-)	-)	-)	-		-	1	! -		-
Methans, tetradeuterated		-	68	58	1 1	-		_]	-	}	_	,	-		-		-
Methane carboxylic acid	-] _	68	'		_		_		_		! -			, ,	465		-
Methane-nitrogen, mixture	-]_	}	_		_	}	_			}	_		. <u>-</u> .	,,	474	١,	_
Methane-oxygen, mixture	3	432				_		_		_	ļ	1 - -	1	_	,,	477		<u> </u>
Mathene-propens, mixture		452	ᆫ		نسا		Щ				L		Ц_		<u>"</u>	//	نـــا	

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Substance Name	Co	ermal nduc- vity		ocif. Det	Emis sivi			lec-		sorp-		ens-	Dit	ermai Ffu- vity	Vis sit	y Y	The Exp s i o	
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Methane-sulfur dloxide, mixture	1	-	Γ	-		-		-		-	1	-	Г	_	11	529		-
Methanethio!		-	68	59		-		_		_	l	-	1	i -		_	1	_
Methanethiomethane	1	_	68	69		_		_	[-	ĺ	-		ļ -		_		-
Methano1	3	223	6	252		_		-	ļ	-		-		<u>'</u> -		_	1	_
Methenyl tribromide	1	-	6s	5		_		-	l .	-		-	1	_		- !	1	-
Methoxymethane	1	-	6s	63		_		: : -		-		_	l	-		-		_
Me thy I	1	-	6s	 59		_		-	ļ	_	l	. <i>-</i>		: : -		-		-
Methy! acetate	1	-	6s	59		-		_	ĺ	_		i -	ł	-		-		-
Methylacetylene		; -	6s	82		_		, -]	-		· _		i –	1	_		-
Methane, tetratritisted		: -	6s	58	l i	_		-		_		-		: -		-		-
Methane, trideuterated		; -	6s	59		_		_		_		-		: -		-		-
Methane, trideuterated monotritiated			63	59		_		-		! -		<u>-</u>	1			-	1	-
Methane, tritritlated	1	-	6s	59		_		_		_		: _		-		_		-
Methyl alcohol	3	; 223	6	252		-	Ì	-	1	_	l			. -	11	192		_
Methyl aldehyde	1	i -	6s	42		_		. –		_		-		-		_	İ	_
Methyl bromide	1	_	55	5		-		_		_	ļ	· -		; <u> </u>] :	_]	1	_
Methy: chloride	3	227) e	257		_		_		_	l	-		-	,,	194	١,	_
Methyl chloride-sulfur dioxide, mixture	1	! -		_		_		_		_		_	1	ļ _	,,	551	!	_
Methyl cyanide	ĺ	! -	63	61	İ	_		_		_	ĺ		ĺ	_		_	i	_
Methy! ethanoate	1	-	68	59		_		_		_	1	-		· _		_		_
Methyl other	1	i _	65	63	`	_ !		_	1	-	ł			_	:	_	į	_
Methy: ethy: ketone	1	-	6s	7		_		_		_		i : _		_	1	_	i	_
Methyl fluoride		_	6\$	42		_		_		_	}	i -				_		_
Methyl formate-propane, mixture	l a	; 462	l			_		<u>-</u>		_		i _		! -		_	İ	_
Methy: glycol		! _	63	' 76		_	ļ	_		<u> </u>		i _	1	! _		_		_
Methy: lodide		_	68	55		_		_		_	ĺ	_		_		_	- !	_
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Methyl isobutyl ketone Methyl isocyanide	ı	1_	68	64		_		_		_	l	-	1	_		_		_
Methyl Isonitrile	1	i _	6\$	64		_		_		_		_		_		_		_
Methyl mercebtan		_	6\$	59		_		_		_	Ì	 -		_		_		-
Methyl oxide	1	_	68	63				_		_	Ĭ	_		_		_		_
Methyl sulfide		_	63	69		_				_		_		_		_		_
Methyl thicalcohol		_	68	59		_		_		-		- _		_		_		_
Methy:amine	1	_	68	59		_		-		_		_		_		_		_
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Methylbenzele		_	68	2 65		_		_		_		: - <u>-</u>		_		_		_
R-Methylbenzolc acid	1	-	63	91		_		_		_		- -		_		_		_
o-Methylbenzoic ecid		_	68	91		_		_		_		_		_		_		_
p-Methylbenzoic acid		_	68	91		_		-		_		_		_		-		_
2-Methylbenzoic acid	ĺ	-	68	91		_		_		_		_				_	! !	_
3-Methylbenzoic acid			1							-	1					<u> </u>		1
4-Methylbenzoic acid	1	-	68	91		-		•		-	ĺ	_		-		-		-
1,b-Methylbiviny1	1	-	68	56		-		-		-		-		-		-		-

2-Mathyl-1-3-Butadiana						T	herma	R	diat	Ive	Prop	ert	ies			Ţ.,,			
2-Mathyl-1,3-butadiana	Substance Name	Co	nduc-											DI	ffu-			Exp	oan-
3-Matchy 1-1, 3-buted lane		v.	Page	v.	Page	v.	Page	v.	Page	٧.	Page	v.	Page	v.	Page	v.	Page	v.	Page
2-Machy 1-2-butanol	2-Methyl-1,3-butediene		-	6s	56	Γ	-		-		-	Γ	-		-		-		-
2-Mathy -1-butanol	3-Methy!-1,3-butadiena	1	i -	6 s	56	ĺ	-		- '	ĺ	- '	ĺ	-	ĺ	-		-	j	-
3-Matchyl-1-butanol acetate	2-Methylbutane		-	68	59	1	-		_		-	1	-		-	ł	-		-
3-Mathyl-1-butanol scetate	2-Methyl-2-butanol		-	6 s	61		-		-		-	1	-	1	} -		! -		i -
2-Methyl-2-butene	3-Methyl-1-butanol		-	6\$	61	Į	-		-		-	ļ	-	Į	j -		<u> </u> -		, -
Methyl-thoutyne	3-Methyl-1-butanol acetate	Ì	-	6 s	56		-		-	ļ	-		-	ļ	-		-	1	-
3-Mathyl-1-butyne	2-Nethyl-2-butene	}	-	65	61	}	-		-		-		-	ļ	-		-	1	-
Methylcylomine	√-Methylbutyl ethanoste		-	6s	56		-		-		-		-		-		ļ -		-
Methylichloroform - 58 91	3-Methyl-1-butyne		-	6s	61	Ì	-	l	-		-		-		-	l	-	1	<u> </u>
Methylicyclohexane - 6s 62	Methylcarbylamine		-	65	64	1	-	1	-		-		-		-	}	-	1	-
Mathyl loyc lopantane - 6s 62	Methylchloroform		-	6 s	91	1	-	1	-		j -	Į	-	Į	-	Į	-	1	-
MathyldIpropylmethane - 6s 64 -	Methylcyclohexane		-	6 s	62		-		-		-		-		-	1	-		-
######################################	Methylcyclopentane	}	} -	6 s	62		-		-	1	-	}	-	1	-		<u> </u>		-
Methylene bromide	Methyldipropylmethane		-	6s	64		-	ļ	-	l	-		-		-		-	[· -
Mathylane bromide - 6s 26	α-Methylditan	ĺ	-	6s	34		-	j	-		-	ĺ	-		-		-	1	! -
Mathylane chloride - 6s 28	Methy!ene		-	6s	63		-		-		-		-		-		-	ł	· -
Mathylene dichloride - 6s 28	Methylene bromide		-	63	26		-	l	-	1	-		-		-	l	-	}	; -
Mathylene fluoride - 6s 30	Mathylene chioride	ŀ	-	68	28		-		-]	-	1	-	ļ	-		-		-
Mathylene iodide - 6s 30	Methylene dichioride		-	6s	28		-		} -		-	}	-		-	1	-	} :	-
Methylene oxide - 6s 42	Mathylene fluoride		-	6s	30		-		-		¦ -	Į	-	ļ	-		! -		-
Mathylethylene glycol - 6s 76	Methylene fodide		-	6\$	30		-		-		; -	ĺ	-		-	١	-	1	-
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Methylfluoroform - 5s 92	Methylethylene glyco ¹	1	-	6s	76		-		¦ -	l	-	l	-		-	l	-	Į.	-
2-Mathyl furan 2-Mathyl heptane 3-Mathyl heptane 3-Mathyl heptane 4-Mathyl heptane 5-6s 64	sym-Methylethylethylene	1	-	6\$	73		-		-		-	ļ	-	l	-		j -		-
2-Methylheptene	Methy1f1ueroform	}	-	68	92	1	} -	}	-		} -		} -		-		-	}	-
3-Methylheptene	2-Methy1furen		-	68	63		-		-		-	ļ	-	•	-	ļ	-	ļ ·	-
4-Methyl heptane	2-Methy1heptane		_	68	63		-		ĺ -		-	ĺ	_	1	-		-	Ì '	-
2-Methyl hexane	3-Methy I heptens	İ	-	68	64		-		-	j	-	1	<u> -</u>		-		-]	-
Methylhydrazine - 6s 64	4-Methy i heptens		-	68	64	1	-		-	1	-		-		-		<u> </u>		-
Methylhydrazine, MMI - 6s 64	2-Methy i hexane		-	68	64		-		¦ -	ļ	-	ļ	-	Į	-	}	-	} ;	-
Methyl I dyne - 6s 64	Methy1hydraz1ne	}	-	63	64)	-		-	}	-	1) -	1	-		-	} '	i -
Methylmsthane - 6 174	Methylhydrazine, MMH		-	68	64		-		-		-	1	¦ -		-		-	,	i -
2-Methyl-pentane	Methyl I dyne		-	68	64	1	-		-	ĺ	-		-		-		-		-
2-Methyl-3-ethylpentane	Methylmethane	1	-	6	174		-	1	-	1	-	1	-		-		-		-
3-Methyl-pentane	2-Methy i pentane		-	68	64	1	-		-		-	1	-	1	-	ł	-		-
3-Methyl-3-ethylpentane	2-Methy1-3-ethy1pentane	1	-	6=	38	1	-		-		-		-		-		-		-
4-Methyl-2-pentanone	3-Methylpentane	1	-	68	65		-	}	-	1	-	1	-		-		-		-
2-Methyl-1-propend	3-Methyl-3-ethylpentane]	-	68	38]	-]	-	}	-		-		-]	-		-
2-Methyl-1-propanol - 6s 67	4-Methyl-2-pentanone	1	-	68	66		-		-	1	-		-	1	-	1	-		-
2-Methyl-1-propenol - 6s 67	2-Methyl-2-phenylpropane	1	-	6\$	11	1	-	1	-	١	-	1	-		-	1	-		-
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2-Methy1-2-propeno1			-	6:	67	1	-		-	1	-		-		-	1	-	1	-

				14	T	erma	R	adlat	Ive	Prop	ert	ies			<u>,,,</u>			
Substance Name	Co	ermal nduc- vity		ecif.	Emi siv	s- Ity		flet		sorp-		ens- ssiv.	JD1	ermal ffu- vity	VI:	sco- ty		ermel pen- on
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2-Methylpropene		-	63	67		_		-	Г	-		-		-		-		-
8-Methylpropyl acetate		-	68	55		-	ĺ	-		-		-	1	-		-		-
Methy!th!omethane	1	-	68	69		_		-	1	-	ł	-		-		-	l	-
Mica		-	1	-		_		-		-	8	1694	10	548		-		-
Mica, bonded	2	825	l	-		_		-		-		-	Ì	_		-		_
Mica, Canadian phiogopies	2	824 825		-		-		-	ĺ	-	Ì	-		-		-		-
Mica, Madagascan phlogopites	2	824		-		-		-	ĺ	-	ĺ	-	ĺ	_	ĺ	! -	ĺ	-
Mica, synthetic	2	825	l	-	1	-	1	_	1	-		-	1	} ~		i –		-
Micabond, dull black	- 1	 		-	9	530	Ì	_	9	531		_]	_		-		_
Micanite	2	1138		_		-	ŀ	-		-		-		_	1	-		_
Micarta laminates		-		_		_		-		-		_	10	559	1	-	1	-
Milk curd		-	1	-		-	ļ	-	1	_		-	10	641		_		-
Mineral wool, processed felt	2	1141		-		_		-		-		-		-	Ì	i _		-
Molybdenum, Mo	{ 1	222	4	135	7	376 383 387 392	7	398 402	7	404 407 410		-	10	113		-	12	208
Molybdenum alloys:	1													ļ !		!		
Mo + Cr	l	-	l	-		-		! -		-		-		-		: -	12	713
Mo + Cu	j	-		-		-		-		-		¦ -		-		i -	12	779
Mo + Fe	1	690		-		-		¦		-		- !		. –		-		_
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Mo + Ti	1	691	4	383	7	953 956 959	7	962		‡ -	!	- :	10	244		-	12	910
Mo + Ti, TZM alloy		-		_		-		-		! - !		[-				_	12	912 913
Mo + V		<u> </u>		-		_ '		-		ļ -	ŀ	j -		! -		· -	12	923
Mo + W	1	694	4	386	7	967 969		-		-		-	10	246		-	12	915
Mo + Fe + ΣXi	1	1013		-		-		-		j - 1		- 1		-		-		-
Mo + Fe + ΣΧέ, Russian, ferromolybdenum	1	690 1013		-		-	İ	-		! !		-		- 1		: -	•	-
Mo + T1 + ΣXi		-	4	544		-		-		í -		-		-		<u> </u>	12	1214
Molybdenum beryllide, MoBe ₁₂		-	5	316		-		-		- :		-		-		-		-
Molybdenum borides:	}									:					1	1		,
МоВ		-	5	358	8	692] -]		-		-		-		-		-
MoB ₂		-	5	352		-	В	695		-		-	:	-		-	13	796
Mo₂B		-	5	355		-		-		' ~		-		-		-		-
Mo8 ₄]	-	•	_		-	8	695				-		-		! -		_

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Substance Name	Co	ermal nduc- vity		ocif.		is- vity		lec-		orp-		ans- ssiv.	Di	ermei ffu- vity	Via sit			ermei Den~ Dn
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Molybdenum carbides:					Г	i .				-	Г		Γ					:
MoC		-	5	436		-		-		-		-		-	'	-	13	935
Mo ₂ C	2	579	5	436	8	850 852	Ì	-		-		-	1	: -		-	13	854
Molybdenum disilicide, oxidized		_		_		-	ì	_		_	9	1311	ļ	· _		_		i _
Molybdenum disilicide + molybdenum oxide.									ļ			1			:			
mixture		-	l	-	8	1473 1474	8	1476		-		į –		! -		-		-
Molybdenum disilicide + molybdenum oxide + silicon dioxide powder		-		-	8	1510 1511	8	1513		-		-		-	! !	-	}	: -
Molybdenum disilicide +						1311						ì						•
silicon dioxide powder		-	1	-	8	1478 1479	8	1482		-		-		· -	1	-		: -
Molybdenum fluoride, MoF _e	Ì	-	5	962		-		-				· _		-		-		-
Molybdenum oxide +										:							ļ	!
molybdenum sillcide powder		-		-	8	1473	8	1476		-		-		-		-		-
Molybdenum oxide + molybdenum disilicide powder		-		-	8	1510 1511	8	1513		-		_		-		_		-
Molybdenum oxide + nickel, cermet		_	ĺ	-		 -	8	1425		-		<u>-</u>		-	,	_		! ! -
Molybdenum oxide + silicon dioxide powder		-		-		! -	В	566		-		-		-	,	-		; -
Molybdenum oxides:												1		1				: }
MoO ₂		-	5	160		-		-		-	1	-		. ~		-		-
MoO ₃		-	5	163		-	8	330		-		-		-	ļ	-		-
Mo ₂ O ₈		-		ļ -		-		-		-		-		-		-	13	311
Molybdenum silicides:			ľ	† 	1						l	-	}	į.	,			ĺ
MoSI ₂	1	1324	5	592	8	1148 1150 1152	8	1155		-		-		' -	,	-	13	1198
MoSi ₂ , oxidized	ļ	-		-		-		-		-	9	1311		-		-		_
MoSi _a	1	-		-		-		-		-	l	-		-		-	13	1212
Mo ₉ SI		-	5	595	8	1150		-		-	l	-		; -		-	13	1212
Mo ₆ SI ₈		-		-	8	1150	8	1482		-		-			1	-	13	1212
Mclybdenum silicide + molybdenum oxide + silicon oxide powder		-		_		-	8	1510 1511	8	1513		-		-		-		-
Molybdenum silicide + silicon oxide, powder		-		_	8	1478 1479		-		-		-		-		-		_
Molybdenum silicide + zirconium carbide + ΣΧέ, mixture		-		-		_		-		-		_		-		_	13	790
Molybdenum, sillconlzed		-		-	9	1331 1333 1335 1337	9	1342	9	1345		-		-		-		!
Molybdenum sulfide, MoS ₂		_	5	690]	-	8	1207		-	a	1210]	-		-	13	1239
Molybdenum telluride, MoTe ₂		-		-]	-		-		-		-	10	473		-		_
Molybdenum telluride + tungsten telluride, mixture		-		-		-		-		-		-	10	531		-		-
Monodeuter lomethene	ł	-	6:	58		-		-		-		-		-		-		-
Mullite, siuminum silicate	2	254 934		-	8	1685 1687	8	618		-		-	10	412		-		-

Multimet, low C Multimet, med, C Multime		T				TI	nerma l	Re	adlat	ive	Prope	ar t	i es	Г	-				
Multimet V, Page V,	Substance Name	Co	nduc-											ווסו	ffu- :			Exp	en-
Multimet, low C Multimet, nead, C Multimet, mad, C Multimet, N-155 1 1165 10 411 12 1146 Multiple oxides and salts Multiple oxides a		-		V	Page	Η-		_	 -	_		┢				V.	Page	,	
Multimet, low C Multimet, med. C Multimet, med. C Multimet, N-155 Multimet, N-155 1 1165 10 411 13 1438 Naphthalene 2 996 6s 69 10 411 13 1438 Naphthalin 2 996 6s 69	Multimet	- ``	<u> </u>	<u> </u>	 -	-	1214	Ë	 -			H			-				
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8-Naphthol 1-Naphthol 2-Naphthol 2-Naphthol 3-68 69	Naphtho1	2	998		_		-		-		-		_	Ì	-				<i>-</i>
1-Naphthol 2-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3-Naphthol 3	α-Naphtho1	- {	-	6s	69	l	-	ĺ	¦	1	-		i –		· -		-		-
2-Naphthol Natrolite Neodymia Natrolite Neodymia Neodymium, Nd Neodymium, Nd Neodymium boride, NdGa Neodymium boride, NdGa Neodymium carbides: NdCa NdCa NdCa NdCa NdCa NdCa NdCa NdCa	8-Naphtho1		-	6s	69	1	-		! -	1	i -			1	_		- !		· -
Nerodymium, Nd Neodymium boride, NdSe, Neodymium boride, NdSe, Neodymium carbides: NdC_s NdC_s NdC_s NdC_s NdC_s NdC_s NdC_s NdC_s Neodymium chioride hexehydrate, NdCi_s NdCi_	1-Naphthol	}	-	6s	69		-	ļ	-		-		-)	-		-	,	-
Neodymium, Nd 1 230 4 140 6 727 - 10 119 - 12 219 Neodymium boride, Nd8, Neodymium carbides: NdC2 Nd2C3 Nd2C4 NdC1, 16H3O Neodymium chiloride hexehydrate, NdC1, 16H3O Neodymium carbide, Nd2Ga, Nd2Ga, Nd2Ga, Nd2Ga, Nd2Ga, Nd2Ga, Nd3	2-Naphthol	}	-	6s	69	ļ] -]		-		-		j -]	<u> </u>		- '		ļ -
Neodymium No	Natrolite	-	-		-		-		-		-	8	1694		-		_ !		
Neodymium boride, NdB _a Neodymium carbides: NdC ₂ Nd ₂ C ₂ Na ₂ C ₃ Neodymium chloride hexahydrate, NdCl ₃ (6H ₃ O ₃ O ₃ Neodymium gailium oxide, Nd ₃ Ga ₆ O ₁₂ , gernet Neodymium sallium oxide, Nd ₃ Ga ₆ O ₁₂ , gernet Neodymium sallium oxide, Nd ₃ Ga ₆ O ₁₂ , gernet Neodymium sallium oxide, Nd ₃ Se ₆ Neodymium sallides: Neodymium sulfides: Neodymium sulfides: NdS Nd ₃ S ₅ Nd ₃ S ₇ Neohexane Neon-nitrogen, mixture Neon-nitrogen-oxygen, mixture Neon-nitrogen-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neon-oxygen, mixture Neopentaine Neptunium Neptunium nitride, NpN Neopentaine Neptunium nitride, NpN Neopunium oxide, NpO ₉ Neother nitrogen, Np	Neodymi a	-	-	5	166		-		-		-		-		-				-
Neodymium carbides: NdC ₂ Nd ₃ C ₂ Neodymium chioride hexehydrate, NdCi ₁ ·6H ₃ O Neodymium chioride hexehydrate, NdCi ₂ ·6H ₃ O Neodymium gallium oxide, Nd ₈ Ga ₈ O ₁₂ , garnet S 859 13 935 Neodymium oxide, Nd ₂ O ₈ Neodymium selenide, Nd ₃ Se ₉ Neodymium selenide, Nd ₃ Se ₉ Neodymium sulfides: NdS Nd ₃ S ₃ Neohexane Neon-nitrogen, mixture 3 366 6 37 11 41 13 144 Neon-nitrogen, mixture 3 368 11 283 Neon-xepon, mixture Neon-xepon, mixture 3 368	Neodymium, Nd	1	230	4	140		-		-		-	l	-	10	119		- 1	12	219
NdC₂ - - - - - - 13 935 Neodymium chloride hexehydrate, NdCi, -6H₂O -	Neodymium boride, NdB _e	1	-		-	8	723		-	l	-	8	727	ł	-		- '		-
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Neodymium chloride hexehydrate, NdCi_s6H_0 Neodymium gallium oxide, NdsGa_00_12. garnet - 5 1527	NdC ₂	ŀ	-		-		-		-		-		-	Į	-		-	13	935
NacCl ₂ -6H ₂ O Neodymium gellium oxide, Nd ₂ Ga ₈ O ₁₂ , gennet - 5 1527	Nd₂C₂	- }	-	ļ	-	}	-	ļ	-] -		¦ -	ļ	-		-	13:	936
S 1527	Neodymium chloride hexahydrate, NdCl ₃ ·6H ₂ O	}	-	5	859	}	-		-		-		-		-		-		-
Neodymium selenide, Nd ₂ Se ₈ Neodymium sulfides: NdS Nd ₂ Se NdS Nd ₂ Se Neohexane Neon, Ne Neon-nitrogen, mixture Neon-nitrogen, mixtu	Neodymium gallium oxide, $\operatorname{Nd}_{\mathfrak{g}}\operatorname{Ga}_{\mathfrak{g}}\operatorname{O}_{\mathfrak{f},2}$, garnet		-	5	1527	Ì	-		ļ		-		-		-	1	-		
Neodymium selfides:	Neodymium oxide, Nd₂O₂	- (-	5	166		-	8	335	l	-		-		-		-		
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Neon-xenon, mixture 3 291 11 283 11 283 11 283	, ,	- {		ł		l	i I	l			_	l		ł					_
Neopentane - 6a 33	-	ı,	1)		}		_	}	_	ļ	i	 ,,	283		_
Neptunium 1 234 4 143]	-	6-			_	ļ	_		_		_		!				_
Neptumium alloy, Np + Ca + ΣX6	, and the second		_		. -		-												
Neptunium nitride, NpN		'		ı		l	_		_		_	1	-		_		ı -		_
Neptunium oxide, NpO ₃ - 5 169				[]	-		_		-	1	-	1	_		_		· -	13	1162
mapterium datos, apog	·			5	169	ł	_	l	-	1	_	1	_	l	-				-
Menting in absent de ling	Neptunium oxide, NpD Neptunium phosphide, NpP		_		-	ŀ	-	}	-	1	-	1	-	1	-		_	13	1183

					T	herma) R	ediat	ive	Prop	er t	ies			I	L	
Substance Name	i Co	ermal nduc- vity	H	BCIT. Bat		is- vity		Flec- vity		sorp- vity				fu-	Visco- sity		ermal Pan- on
	v.	Page	v.	Page	v.	Page	٧.	Page	٧.	Page	٧.	Page	v.	Page	V. Page	v.	Page
Nerofil		-	Γ	-		-		-			Г	-	10	22	<u> </u>	T	: -
Nibrobenzena		-	68	69		¦ -		¦ -		-		-	'	-	-		-
Nickel, Ni	1	237	4	146	7		7				1	-	10	120	-	12	225
						416 424 434		446 454 457		462 465 468							
Nickel, 1 percent impurities	١,	1044		ļ -		-		-		! -		-		-	-	ĺ	-
Nickel, A	1	239 241 1029		-	l	_		; -		-		-	10	250	-		-
Nickel, D	1,	1039		! ! ! -		_		_		_		-		_	_		_
Nickel, electrolytic	1,	į.	4	146		- 1		_		_		<u> </u>		_	_	12	227
		239 240		!						<u> </u>		į	1			-	748
Nickei, L	1	238 239		-		-		_		-		-		-	ļ , -	12	227
Nickei, Mond	ĺ	-	4	146	Ì	-		_		-		<u> </u>		-	-	12	228
Nickel, NP-3	ł	-		¦ -	7	435		-		-	l	-		-			· -
Nicke!, O	١,	239		-	l	-		-		-	l	<u> </u>		-		Į.,	. –
Nickel, oxidized	ļ	-		-	9	1312		' - ,		-		-]	-	ļ -		-
Nickel, S		-	ļ	-		-		-		-	l	-	li	-	; -	12	228
Nickel, spectrographically standardized	1	¦ -		-		-		_		-		-	10	122	-	'	-
Nickel alloys:	1	ĺ			ĺ		į		İ	ĺ		İ	,		:		
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NI + AI	- }	-	4	389	}	-	į	-	ļ	-		; -	۱ ,	-		l	-
NI + Co	1	700		-	ŀ	-		-		-		-		-	-	12	747
NI + Co, RCA N91	1	701		-		-		-		-		-		-		1 :	-
Ni + Co, RCA N97	1	701		-		-		-		-	ĺ	-	!	-	-		-
NI + Cr	[1	697	4	392	7	972		-		-		-	-	-	i -	12	719
NI + Cr, Chromel P	- { 1	698	4	392		-		-		-		-	!	-	-	H	-
NI + Cr. Nickrom	1,	698		-		-		-		-		-		-	-		-
Ni + Cr, Nichrome N	١,	698		-		-				-		-		-			-
NI + Cr, Vecromin F] 1	1213		-		-		-		- 1	ĺ	-		-	-		_
Ni + Cu	۱,	703	4	398		- [-		-		[-]		-	-	12	778
NI + Fe	1	707	4	403	7	976		-		-		-	10	248	-	12	848
Ni + Fe, melleable nickel	1	-		-		-		-	ļ	-		-		-	-	12	852 853
NI + Fe, N.S. nickel	1	708		-		-		-		-		-		-	-		_
NI + Fe, Permalloy		-		-		-				-		-		-	-	12	853 854
NI + Mg		- '	4	407		-		-		-		-		-	-		-
NI + Mn	1	710	4	410		-		٠		-		-	10	249	-	12	894
N1 + Mo	-1	-		-		-		-		-		-		-	-	12	899
NI + Pd	1	-		-		-		-		-		-		-	_	12	926
NI + Pt		-		-		.		-				-		-	-	12	930
N1 + S1		-	4	413		-		-		-		-		-	-	12	932
NI + Sn		-		_		- 1		_		_		_		_	-	12	935

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Substance Name	Co	ermal nduc- vity		scif.	Em I	s- vity		lec-				ens-	Dif	rmal fu- vity	VIS sit			ermal Xan- Xn
	v.	Page	v.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Page	٧.	Page	v .	Page	٧.	Page
Nickel alloys:															i			
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NI + TI	1	-		_		_				_	1	1 -		_	}	_	12	943
NI + V	- 1	1 _	4	416		_				_	l	: -		_	,	_	12	941
NI + W	į] [4	419	Į					_				_	-	_	1 :	946
NI + Zn	١.	1014	"	419				_	1	! -		i _		_	,	_	1	1215
NI + Al + ΣΧέ		1		_		_		_	,		ļ	1_		_		_		_
NI + Al + ΣΧέ, Duranickei				_				_		_				_		_		_
Ni + Al + Σχέ, Duranickel 301		\	1	_	1	_		-	[. -	١			_	{	_		
NI + AI + ΣXi, Nickel Z		1015	i i		١.	4340	١,	4 274	١,	-	ĺ		10	298	:	_	١, , '	1216
N1 + Cr + ΣX6	'	1017	4	550	′	1342 1347 1356 1360	l	1374 1392	'	1395 1398 1400				∠ 96		-	' - '	1216
Ni + Cr + ΣΧέ, Astrolloy		-		-	7	1363 1412	7	1377 1418		-		- 		-		-		-
N1 + Cr + ΣX4, Chroman	1	1018		-		ĺ -	[-		-		j -		-	[,	-	(-
N1 + Cr + ΣΧέ, Chromel A	1	698	4	556		-	1	-	ĺ	i -	1	-	ĺ	-	1	-	1	: -
Ni + Cr + ΣXέ, Chromel C	1	1036	ŀ	-		-		-	Ì	! -	l	-		. -	ł	-		-
NI + Cr + ΣΧέ, GEJ 1500		-	4	556	l	-		<u> </u>		! -	1	-	1	-	ł	-		-
NI + Cr + ΣΧέ, GEJ 1610	}	-	4	556		-		-		-	}	ļ -	1	-	}	-	1	-
NI + Cr + ΣΧέ, German chromium	١,	1018	ŀ	-	l	-		-		i -		: -		-		-		-
Ni + Cr + ΣXi, Hastelloy R-235	1	1019	4	553		! -		-		¦ -		; -		-		-	12	1219
Ni + Cr + ΣΧέ, Hastelloy X		-		_	7	1364	7	1378		-		-		' -		-	12	1216
Ni + Cr + ΣX6, Haynes alloy X		-	1	-	7	1344		-	ł	-	l	-		-		-	ŀ	-
Ni + Cr + ΣX4, Inco 7130	1	1022	4	550		-		-	1	-		-		-		-	12	1219
Ni + Cr + ΣXέ, Incomel	1	1018 1019 1021		_	7	1344 1345 1351 1352 1363 1366	7	1382	7	1396		-	10	299		-	12	1219
NI + Cr + EX4, Incomel, oxidized	- }	_	4	553	وا	1314		} _		<u> </u>		<u> </u>	1	-		_	1	-
N1 + Cr + 2X4, Income1 600	- 1,	1018	l l	553	ì	1344	7	1382	7	1396		ļ -	1	-		_	12	121
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NI + Cr + ΣX4, Incone1 625	-	-		_	1	_		-		-	[-		-		-	12	1220
NI + Cr + EXt, Income! 702	۱	1022	4	553	7	1345 1364	7	1376		-		-		-		-		-
N1 + Cr + ΣX4, Inconel 713	- 1,	1022	1	-		-		-	{	-	1	-		-		-	1	-
N1 + Cr + EX4, Income1 718		-		-		-		-		-		-		-		-	12	122
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N1 + Cr + ΣX4, Inconel 750	1	-		-		-	_	•	_	-		-		-		-	12	122
Ni + Cr + ΣX4, Inconel B	}	-		-	7	1350	۱ ′	1393	7	1401	1	-		-		-		-
NI + Cr + ΣX6, Incomel HI C	}	-	1	-		-	1	-		-		-		-	[-	l	122
NI + Cr + EX4, Incomel low C	}	-	1	-		-	1	-	1	-	ĺ	-		-		-	l	122
N1 + Cr + $\Sigma X \hat{\epsilon}$, Income) med C	1	-	1	-	1	-	1	-	ł	-	1	-	1	-		-	112	122

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Substance Name	Co	ermal nduc- vitv		ecif.		is- /ity		flec-		torp-			DI	ermel ffu- vity	• / 1	ty		srmal pan- on
	v.		٧.	Page	┢─	Page	┢	Page		Page	⊢		₩	Page	٧.	Page	├	Page
Nickel alloys: (continued)											Г							
N1 + Cr + ΣX6, Incomel X	١,	1018	4	553	7	1344	7	1377		_		-	10	299	·	-	12	1221
						1345 1351 1352 1353 1358 1365		1379 139										
Ni + Cr + ΣΧέ, Inconel X750	1	1018	4	553	7	1344 1345 1351 1352 1353 1358 1365	7	1377 1379 139		_		-		-		-	12	1216
NI + Cr + \$X4, M-252	1	1022	4	556	7	1366	7	1382		-		-		-		<u> </u>	12	1221
N! + Cr + ΣΧέ, Nichrome	1	1018 1019 1021 1036		-	7	1344 1353		-		 		-		-		-		-
NI + Cr + ΣXέ, Nichrome V	1	698	4	556	ĺ	-		-		-		-	1	-		-	ĺ	-
Ni + Cr + ΣXέ, Nimocast 713 C	١,	1022		-			ļ	-	}	-	l	-		-		-		-
NI + Cr + ΣXέ, Nimonic 75	1	1019		-	7	1345 1350		-		-		-		-		-		-
Ni + Cr + ΣX4, Nimonic 75, French	- [1	1019	ĺ	-		-		-	ĺ	-		-		-		! -	ĺ	-
Ni + Cr + ΣX4, Nimonic 80	1	1018		-		-		-		i -		-		-		 	12	1216
Ni + Cr + ΣΧέ, nimonic 80/80A, French	١,	1019		-		-		-		-		-		-		-		-
Ni + Cr + ΣXέ, Nimonic 90	1	1019	ĺ	-		-		-		-		-		-		_ '	12	1216
NI + Cr + EX4, Nimonic 95	١,	1019		-		-		-]	-		-	1	-		-		-
$NI + Cr + \Sigma X i$, oxidized	1	-		-	9	1314		-		-		-		-		-	İ	-
Ni + Cr + ΣXέ, Russian, OKh 20N 60B		-	4	559		-	ľ	-		-	Ì	-	ı	-		-	İ	-
NI + Cr + ΣX4, Russian, OKh 21N 78T	1	-	4	556		-		-	ļ	-		-		-		i -		-
NI + Cr + ΣXi, Russian, Kh 80T	1	1019		-		-		-		-	ĺ	-		-		-	ĺ	-
NI + Cr + ΣXi, Russian, EI-435	1	1022	4	559		-] -		-		-		-		-		-
Ni + Cr + ΣΧέ, Russian, EI-607	'	1019 1020 1021		-		-		-		-		-		-		-		-
NI + Cr + ΣXέ, Udlmet 500	1	-		-	7	1365 1412	7	1381 1418		-		-		-		-		-
NI + Cr + EX4, Udimet 630	1	-	Ì	-		-		-		-		-		-		-	12	1222
NI + Co + ΣX4	'	1028		-	7	1404 1406 1410	7	1416		-		-	10	302		- 	12	1 227
NI + Co + ΣX4, Haynes Stellite 27	١,	1029		-]	-		-		-		-]	-		-		-
Ni + Co + ΣX4, Konel		-		-	7	1404 1407		-		-		-		-		-		-
N1 + Co + EX4, Nickel 200	,	239 241 1029 1039		-		-		-	<u> </u> 	-		-	10	122		 - 		-
NI + Co + EX4, Nimonic 100	۱	1029	l	-		-		-		-		-		-		-		-
NI + Co + XX4, Nimonic 105	1	1029		-	l	-		-	1	-		-	ł	-		-		-
N1 + Co + ΣX4, Nimonic 115	۱	1029	•	 -		-	1	-		-	Ī	-		-		-		-

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Substance Name	Co	ermel nduc- vity		eif.	En	is-		lec-				ens-	011	irmal 'fu- /!ty		ty		armsi Pan- Dn
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Nickel slioys: (continued)																1		
Ni + Co + ΣXi, Refralloy 26	١,	1029		_	ŀ	_		_	ł	_		_		_		_		_
Ni + Co + Σχέ, René 41		1022	1	556	7	1353	7	1 380			ŀ	_		_		-	1,2	1216
NI T CO T ZAV, ROIRO 41	- 1 '	1022	-	330		1365		1382								! !	-	1222
NI + Co + TVi Ildiment 700	ł	_	1	_		-	;	_				_		_		_	1,2	1229
NI + Co + $\Sigma X i$, Udiment 700 NI + Cu + $\Sigma X i$	١,	1031	4	562	١,	1423	7	1430	١,	1436		_	10	303		_	ł i	1230
NI T CU T ZAV]	-		1426		1433			ŀ							
Ni + Cu + ΣX€, Corronil	1	1032		-	ŀ	-		-		-		-		-		-		-
Ni + Cu + ΣXi, Monel	1	1032	4	562	7	1423	7	1431		-		-	l	-		-	12	1230
N1 + Cu + ΣΧέ, Mone!, 400	١,	1032	4	562	,	1423	7	1431		-		-		_		_	1,2	1232
MI + Cu + ZXV, MOINT, 400	1				ĺ	1428											_	
NI + Cu + $\Sigma X i$, Monel, 505	1	1032		-		-		-	1	-		-		-	ł	-	{	-
Ni + Cu + ΣXέ, Monei, 506	1	1032		-		-		-		-	ĺ	-		-		-	١.	! -
NI + Cu + ΣXi, Monel, cast	- 1	1032		-		-		-		-		-		-	ł	-	1	-
NI + Cu + ΣXέ, Monel, H	1	1032		-	ŀ	-		-		-		-		-		ļ -		-
NI + Cu + EX1, Monel, K	1	1032	4	562	7	1428	7	1434	7	1437		-	10	304		-	12	1232
Ni + Cu + ΣΧέ, Monel, K-500	- } 1	1032	4	562	7	1428	7	1434	7	1437		-	ł	¦ -	ł	-	1	-
NI + Cu + XXI, Monel, R	1	1032		-		-		-		-		-		-		i -		-
NI + Cu + EXt, Monel, R-405	- 1	1032	1	-		-		-		-		-		-		-		-
Ni + Cu + ΣX£, Monel, S	1	1032		-		-	}	-		-		-		-		-	12	123
	- },	1032		_		_		_	ĺ	_		_		_		_		_
NI + Cu + ΣXi, nickel bronze	- 1	1032	[_						_		_		_		
NI + Cu + ΣXέ, Silicon monel		ļ	1	565	١,	1439		_	1	_		_	10	305		_	1,2	1236
NI + Fe + ΣXi				-	′	-		_			1	_		_		_	-	_
Ni + Fe + Σχέ, contracid	1	1036		_		_		_	}			_		_		_		_
Ni + Fe + ΣXi, contracid B 7M	- ;	į	1	_		_			l			_		_		_		_
NI + Fe + ΣX4, Hastelloy A		1	1	_		j _ :		_				_				_	}	
NI + Fe + ΣΧέ, HyMu-80	- '	1036	₹			_	} }	_						_	1			
N1 + Fe + ΣΧ4, Incoloy 901			4	565		_		_		-		_		_	ł	_		1238
NI + Fe + ΣX6, NIIo 50	١,	;	4	568				_	ł				10	309		_		1241
Ni + Mn + ΣΧέ	'	-]	-		_ ;				_	ĺ		10	310		_		-
N1 + Mn + ΣΧέ, GRD	١.			_		_				-			"	310		_		
NI + Mn + ΣX£, Nickel 211	'	1	ł	_	7	418	7	455	٦,	471	ŀ					_	12	(
NI + Mn + ΣΧέ, Nickel A	1	239 241 1029 1039		_	ĺ	419 420 426 427 428		490						-				1243
	1.	1030		_		429							}		1			_
NI + Mn + $\Sigma X + 0$, Nickel D NI + Mo + $\Sigma X + 0$	i	1041	l	- 571	7	1442	7	- 1 454	,	1457		-		-		-	12	1248
						1446 1450						}				<u>}</u> 		
N1 + Mo + ΣX4, Hastelloy B	'	1042	1	571		1448 1452		1455		1458		-		•				1247
N1 + Mo + ΣX6, Hestelloy C	1	1018	4	556	7	1448	7	1455	7	1458		-		-	ĺ	-	12	1245

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Substance Name	Co	nduc- vity		eat		is~ vity		lec-		sorp-		ens- ssiv.	DH	ffu- vity		ity		oan-
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Nickel alloys: (continued)	T																Г	
NI + Mo + EX4, Hastelloy N		-		-		-		-		-		-	į	-		-	12	1245
Ni + Mo + ΣΧ4, Haynes alloy C		_		_	7	1444		_		-		-	İ	-		-		-
NI + Mo + ∑X€, Inor-b	1	1042		-	7	1444		-		-	1	-	Ì	-		-		-
NI + SI + EXE		-		-		-	ĺ	-		-	İ	-	į	-		} -	12	1249
NI + SI + ΣΧέ, grade A	1	-		-		-		-	1	-	l	-	ł	-	l	-	12	1249
NI + TI + ΣXέ		-		-	ł	-		-		-	[-	10	307		-		-
Ni + Ti + ΣX4, Permanickel		-		-		-	İ	-		-		-	10	308	l	-		-
N1 + A1 + Mn + ΣΧ4, alumel	1	1015		568		-		-		-		-		-		-		-
Nickei-aluminum intermetallic compounds:										}			ļ					
NIA)		-		-	8	1316 1318	8	1321		-		-		-	1	-		-
NI sA1	}	-		-	8	1316	8	1321		-		-	Ì	-		-		-
Nickel aluminum oxide, NIO-Al ₂ O _s		-		-	1	-		-		-		-	ĺ	-		-	13	484
Nickel antimonide, NiSb	1	1327		-	1	-		-		-	1	-	1	-	١	-	1	-
Nickel-antimony intermetallic compound, NiSb	1	1327		-		-		-		-		-	į	_		-		
Nickel carbonate, NICO,		-		-	1	-		-		-		-	į	-		-	13	647
Nickel chloride, NICl ₂		-	5	863		-	ļ	-		-	l	-	ļ	-	l	-	ł	-
Nickel chioride hexahydrate, NICl ₂ ·6H ₂ O	ł	-	5	866	}	-	ł	-		-		-		-		; ~		-
Nickel fluoride, NiF ₂	1	-	5	973	•	-		-		-		-		j -		-	13	1052
Nickel fluosilicate hexahydrate (A)	1	-	5	966	ļ	-	ŀ	-	l	-		-	l	-	Ì	-	ł	-
Nickel fluosilicate hexahydrate (B)	1	-	5	970	ł	-	ł	-	{	-		-		-		-		i -
Nickel iron oxide, NiO-Fe ₂ O ₈	İ	-	5	1530		-		-	1	-	Ì	-	İ	! -		-	1	-
Nickel Iron oxide, nonstoichiometric	1	-	5	1533		-		-	1	-		-		-		ļ -	'	<u>-</u>
Nickel L	1	238 239		-	}	-		-		-		-	l	-		-	12	227
Nickel-niobium intermetallic compound, Ni _s Nb		-		-		-		_		-		-		; ; –		_	12	596
Nickel O	1	239	İ	-	ļ	-		-		-	l	-	l	-		-		-
NIO + Al ₂ O ₂ powders	1	-	ł	-	8	556		-		-	-	-		-		: -		-
Nickel oxide + nickel aluminum compound + ΣΧ4, cermet		-		-	8	1393	8	1398		-		-		¦ -		-		-
Nickel oxides:] [i 1		!		
NIO	2	171	5	172	8	337 339	В	342		! -		: -		<u>-</u>		-	13	: 319
NI ₂ O _p		-		-		-	В	342		-		-		1 _		. -		-
Nicke! S	1	-	-	-	1	-	1	-	1	<u> </u>	}	 -	1	· -	ĺ	, -	12	220
Nickel selenide, NiSe ₂		-	5	549	1	-		-		-	1	-	1	; -		-		. -
Nickel selenide, nonstoichiometric	1	-	5	545	1	-		-		-	1	-		-		; -		-
Nickel silicate, Ni ₂ SiO ₄		1 -	1	-		-	1	-		-	1	-	ł	i	1	; -	13	72

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Substance Name	Cor	ermel nduc- vity		ecif.		l≉− /Ity		lec-	Ab	sorp-	Tra	ens- esiv.	DI	ermel ffu- vity	9 i	sco- ty		ermel pen- on
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Nickel silicides:		Ť	<u> </u>		T				Г				-				Г	
NI 3SI		-		-		-		-		-		-		-		-	13	1212
NISI 2	ŀ	-		-	8	1173	ŀ	-		-	ĺ	-		-	Ì	-	l	- !
Nickel sulfate hexahydrate		-	5	1206	1	- '	<u>ו</u>	-		-		-		-		-]	-
Nickel sulfides:																		
NIS		-	5	693		-		-		-		-		-		-		-
NI ₈ S ₂	2	705	5	696		-		-		-		-		-		-		-
Nickel telluride, NITe ₂		-	5 5	738		_		_		-		_		-		i	l	-
Nickel telluride, nonstoichidmetric		_		735		_	8			_		_		_		-		_
Nickel + titanium boride, cermet				-		_	ľ	1435		_			l			_		_
Nickel-titenium intermetallic compound, NITI		-		-		-		-		-		-		-		-	12	597
Nickel + titanium nickel compound, mixture	1	1436		-		-		-		-		-		-		-		-
Nickel titenium oxide, NiO-TIO ₂		-		-		-		-		-		-		-		-	13	569
Nickel-yttrium intermetallic compound, Ni _e y		-		-		_		-		-		-		_		-	12	598
Nickel zinc ferrate, NiZnFe ₂ O ₄	2	298		-		-		-		j - '		ļ -		-		-		-
Nickel zinc ferrite		-	5	1536	l	-		-		-		-		-	İ	-		-
Nickel zinc iron oxide, nonstolchiometric		-	5	1536		-		-		- '		-		-		-		-
Nickelous oxide		-	5	172		-		-		-		-		-	l	-		-
Nil Alba, ZnO	2	243	ĺ	-	ļ	-		-		-		-		-		-		-
Nioblum, Nb	1	245	4	153	7	474 480 482 486	ļ	492	7	497		-	10	125		-	12	236
Niobium alloys:									l									
Nb + Mo		-	1	-		-		-		-		-		-		-	12	900
Nb + Re		-		-		-		-		- !		-		-	ŀ	-	12	949
Nb + Ta		-		-		-		-		-		-	10	251		-		-
Nb + U	1	713		-		-		-	ļ	i - I		-		-		-	12	
Nb + V		-		-	١_	-		-	l	-		-		-	l	-	12	
Nb + W		-		-	7	981 984		_		-		-		-	ŀ	-		-
Nb + Zr	1	716	4	422	7	988 992 994	!	-		-		_		-		-	12	958
Nb + Fe + ΣX4		-	4	574		-		-		-		-				! -		-
Nb + Fe + ΣX4, Russien, ferroniobium		-	4	574		-		-		-		-	ŀ	-	ŀ	-		-
Nb + Mo + ΣX4	1	1046	4	577	7	1460		-		-		-	10	312		-	12	1250
Nb + Ta + ΣX4	1	1049	⁴	580	7	1463 1466		-		-		-	10	314		-	12	1253
Nb + Ti + ΣX4	1	1052	4	583		-		_		_		-	10	316		-	12	1257
Nb + W + EXE	1	1055	4	586	7	1469		-		_		-	10	318		-	12	1259
Niobium-aluminum intermetallic compound,							_ ا				Ì	İ						
NbA1 a	1	-	۱.	-		-	"	1322		- _		- -				- _	1	-
Niobium beryllide, NbBe _{t2}		_	5	_	_ ا	-		_				_				-	13	767
Niobium boride, NbB ₂			Ľ	365	8	697 699 701	L	_		<u>-</u>		_						/6/

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Substance Name	Co	ermal nduc-		scif. sat	Em	is-	Ref	Flec-	Abs	sorp-	Tr	908	DH	ermal ffu-	VI:	sco- ty	Ext	ermai en-
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Nioblum boride, nonstolchiometric	+	-	5		۲	-	Ĭ	-	۳	- age	۲		Ť	-	 	-	H	
Niobium carbides:	1	İ			1				l		İ			1	ĺ		{	
NbC	2	582	5	442	8	785		_	l	-	Ì	-	10	474	1	_	13	858
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Nb₂C		-		_		_		_		; -	ļ	-	ĺ	-		i –	13	936
Nonstolchiometric		-	5	439		-		-	1	_	1	-		-		· -	Ι.	1
Niobium fluoride, NbFs		_	5	976	ļ	-		-		<u> </u>]	-		-		, -		-
Niobium nitrides:	-		ļ		ļ	1				i	ļ	ì	1			!		
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Niobium oxides:	}		}	}]	}		}			į	}	1	1	i		
NbO		-	5	175		-		-		-	1	-	1	i -		-		-
NbO ₂		-	5	178		-		-		_	l	-		-	1	-		-
Nb ₂ O ₆	1	-	5	181	8	347	8	349		-	l	: -		[- :	ŀ	-	13	323
Nioblum phosphate, NbPOs	1	-	١	-	ĺ	-		-	1	-	Ì	-	Ì	. -		-	13	690
Niobium sificides:	1		1	(i	{				1			1	{			I	İ	
NbS! a	j	-		-	8	1173		-		-		ĺ -	ĺ	' - '		! -	13	1213
Nb ₈ S1 ₈		-		-		-		-		-		-]	-		-	13	1213
Niobium tantalum oxide, 2Nb ₂ O ₆ ·Ta ₂ O ₆		-		-		-		-		-		-)	i -		i -	13	543
Nioblum-tin intermetallic compound, Nb _e Sn		-		-		-		-		-		-		-		-	12	601
Niobium vanadium oxide, $Nb_2O_8 \cdot V_2O_8$		-	1	-		-		-		-		-		-		-	13	596
Ni ton .	Э	84		-		-		-		-		-		-		-		-
Nitric oxide, NO	3	106	6	83	}	-		-		-		-		-	11	82		-
Nitric oxide-nitrogen, mixture	ļ	-			İ	-		-		-		-		-	11	495		-
Nitric oxide-nitrous oxide, mixture		-		-		-		-	,	-		-	'	-	11	492	j	-
m-Nitroaniline	1	-	63	69	•	-		-		-		-]	- '		i ~ }		-
o-Nitroaniline	1	-	6\$	69	1	-		-	} ,	-		ļ -	l ,	-		-		-
p-Nitroeniline	1	-	68	69	[-		-		-		-		-		-		-
m-Nitrobenzoic acid	1	-	68	69	l	-		-		-		-		-		-		-
o-Nitrobenzoic acid		-	68	69	i i	-		-		-		-	l	_		-		-
p-Nitrobenzoic acid		-	62	69	Ì	-		-		-		-		<u> </u>		-	İ	-
N! trobenzo l		-	6 s	69	ı	-		-		-		-		-		-		-
Ni trocarbol		-	6s	69	ı	-	İ	-		-		-		-		-		-
m-Nitrodracylic acid]	-	68	69	ı	-		-		-		_		- '		-	ĺ	-
σ-Nitrodracylic acid		-	68	69	!	-		-		-		-		-		-		-
p-Nitrodracylic acid		-	68	69	1	-		-	,	-		-		-		-		-
Nitrogen, N ₂	3	64	J	39	1	-		•		-		-	10	128	11	48	ĺ	_ [
Nitrogen, monatomic		-	68	69	1	-	} ,	-		-	}	-		-		-		-
Nitrogen oxides:	1.				l													
NO ₂	3	1	ı	ì		-		-		-		•		•	11	85		-
N ₃ O	3	114	i	-	1	-		•		•		-		-		-		-
Nitrogen-axygen, mixture	3	434	<u> </u>	<u> </u>	<u> </u>		<u> </u>		لـــا		<u> </u>			لتا	11	497		لــــــــــــــــــــــــــــــــــــــ

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Substance Name	Co	ermal nduc- vity		ecif. Bat	Em	is-		Flec-		sorp-		ens-	ווס	ermal ffu- vity	* i	sco- ty		ermai pan-
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Nitrogen-propane, mixture	3	438		-		-		-		-	Г	 -	T	-		-	T	_
Nitrogen-steam, mixture	3	468		-		-		-		-	ł	-	ļ	-		-		-
Nitrogen-xenon, mixture	3	377	i	-		-		-		-	ł	-	ł	-		-		-
Nitromethane	ł	-	68	69		<u> </u>		-		-		-	ł	-	ŀ	-		-
Nitrophenol	2	1001	l	-		¦ -		-		-		-	ļ	-	ļ	-	1	[-
Nitroso elastomer compound	Ì	-	Ì	-		-		-		-		-	ł	-		-	13	1520
Nirtous oxide, N ₂ O	3	114	6	92		-		-		-		-	ł	-	11	87	ļ	j -
Nitrous oxide-propane, mixture	l	-	l	-		-	ł	-	1	-	1	-	ł	-	11	499	ł	-
Nitrous oxide-sulfur dioxide, mixture	ł	-	1	-		-		-	l	-	l	-	1	j - ,	11	536	ŀ	-
Nivac	1	238	1	-		-		-		-	}	-	1	-		i -	ŀ	-
n-Nonane	3	230	6	261				-		-	1	-		-	1	-		-
Nonoxides, mixture	1	-	1	-	[ł	-		-		-	10	517	1	-		-
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Pines, pitch	2	1083		- !		-		-		-		-		-		-		, - '
Pines, white	2	1083		-	ĺ	-		-		-		! -	ĺ	-	ŀ	-		- !
Pladuram	1	416		-		-		-	1	} -	}	-	}	<u> </u>	ŀ	-	}	
Plastics, vinyl	}	-		-		-	8	1741	8	1743	8	1745	}	-		-		
Plaster	2	887		-		- '		-		-		-	1	-		_		-
Plastic		-		-		-		-	}	! -		-	10	553 555 556		-		-
Plastic, silicone-asbestos	1	-		-	{	-		_		! -		_	10	558		-	Į	-
Platinoid	1	981	1	-		-		-	ĺ	-		ļ -		-		-		· - !
Platinum, Pt	1	262	4	163	7	524 529 532	7	544 547 549	7	551 554 557		-	10	135		-	12	254
Platinum, NBS		_		-	7	536 538		-	7	552		-		; -		-		
Platinum alloys:	1			1							1	1	Ì					
Pt + Ag	1	745	}	-		-		i _	1	<u> </u>		-]	-		-		
Pt + Au	١,	733		l _		_		_	}	! ! -		! -	}	. -		-	12	817
Pt + Cu	1	730		_		_	1	-		-		-	1	-		_		-
Pt + Fe	}	-	}	- '		-	}	-		-	1	-	{	-		_	12	861
Pt + lr	1,	734	1	-		_		i –		-		-	j		}	-	12	836
Pt + Ni		-		-		_		-		-		. -	}			-	12	930
Pt + Pd	1	737		-		-		-		· -		· -	1		l	-		_
Pt + Rh	1	738	1	-	7	997	ľ	} -		-		<u>-</u>		-	ĺ	-	12	967
						1000						1		! !		f		1
Pt + Rh, Pt-10Rh		-		-	7	997		-	1	-	1	-	}		ł	-	1	-
Pt + Rh, Pt-13Rh		-	}	-	7	1002 1005		<u> </u>		-		-		; - '		-		-
Pt + Ru	<u> 1</u> 1	743	L		<u> </u>						L	<u> </u>		ا	L	<u>L-</u> _	12	970

	T		Г		T	rerme	l Ra	diat	ive	Propi	er t	ies	Г		Г			
Substance Name	Co	ermel nduc- vity		ecif.		le- /ity		Flec-		morp-		ens- ssiv.	DI	ermei ffu- vity	• 1			ermel pen- on
	v.	Page	v.	Page	v.	Page	v.	Page	٧.	Page	v.	Page	v.	Page	v.	Page	v.	Page
Platinum sulfides:																		
PtS	l	-	5	699		_		-		-		-		-		-		_
PtS ₂		-	5	702		_		-		-		-	ļ	-		-		_
Platinum telluride:	1						Ì		Ì	}			Ì		Ì	Ì		
PtTe	l	-	5	747		-		-		-		-		-		-		-
PtTe ₂		-	5	750		-		-		-		-		-		-		-
Platinum wire, grade MPTU 4292-53	1	-		-	7	526	•	-		-		-	•	-	Ì	-		-
Plexiglas	2	960		-		-		-		-	8	1724	10	603		-		-
Plexigles AN-P-44A	2	961	ĺ	-	ł	-		-		-		-	ŀ	-		-		-
Piloforam	2	950	1	-		-		-		-		-	Ì	-		-		-
Pluton cloth	2	1100		-		-		_		-	ľ	-	l	-		-		-
Plutonium, Pu	1	270	4	167		-		-	1	-		-	10	142	ſ	-	12	260
Plutonium, a	1	271		-		-		-		-		-	1	-		-		-
Plutonium alloys:		1											ļ					
Pu + Al	1	746		-		-		j –		-		-	ľ	-	ĺ	-	12	660
Pu + Al, delta-stabilized	1	746	1	-		-		-		- 1	Ì	-		-	1	-		-
Pu + Fe	۱ ا	747		-		_		-		-		-		-		-		-
Pu + Ga		-		-		-		-		-		-		¦ -		-	12	807
Pu + Ce + ΣXi		-	4	589	1	-		-		-		-	1	-	1	j -		-
Plutonium carbides:	l							1										
PuC		-	5	445		-		-		-	İ	-	10	476		_	13	866
Pu ₂ C ₂	١	-		-		-	•	-		-		-	Ì	-	1	-	13	936
Plutonium carbide + uranium carbide, mixture		-		-		_		-		-		-	10	532				-
Plutonium dioxide, PuO ₂		-	5	190		-		-	ĺ	- 1	ĺ	i -		-		-	13	331
Plutonium dioxide + uranium dioxide, mixture	1	-		-	Ì	-		-	Ì	-		-	10	442	1	-		-
Plutonium nitride, PuN	1	-		-		-		-		i -		-	ŀ	-		-	13	1162
Plutonium nitride + uranium nitride, mixture		-		-		-		-		-		-		-		-	13	1163
Plutonium phosphide, PuP	1	-		-	ĺ	-		-		-		-	1	-		-	13	1176
Plutonium sulfide, PuS		-		-		_		-		-		-		-		-	13	1227
Poly(acetyl trially) citrate)		-		-	ĺ	-		-		-		-	1	-		-	13	1 384
Polyacrylonitrita		-		-		-		-		-] -	Ì	-		-	13	1 385
Poly(acrylonitrile-butadiene)	ŀ	-		-		-		-		-		-	ļ	! -		¦ -	13	1386
Poly(allyl diglycol carbonate)		-		-		-		-		-		! -		-		-	13	1388
Poly(allyl methacrylate)	ì	-		-		-		-		-		-	1	-		-	13	1389
Poly(butadiene-styrene)		-		-		-		-		-		-	ŀ	-		-	13	1394
Poly(butyl methacrylate)	1	-		-	ľ	-		-		-		-	ŀ	-		-	13	1396
Polycarbonate		-	1	-		-		-		-		-	1	-		-	13	1403
Polycarbonate, makrolon		-		-		-		-	Ì	-		-		-		-	13	1405
Polycarbonate, merion	1	-		-	1	-		-		-		-	1	-		-	13	1405
Polychloroethylene, polyvinyl chloride	2	953		-		-	1	-		-		-	1	-		-	Ī	-
Polychloroethylene, polyvinyl chloride,	İ			!			ĺ											
plasticized	2	954		<u> </u>	L	-		-	L		$oxed{oxed}$		L	-	L		<u> </u>	

	T				TI	herma	Re	diat	i ve	Prope	ert	es						
Substance Name	Co	erme: nduc- vity		elf.	Em s i	is- vity		lec-		orp-		nns-	Dit	ermal Ffu- vity	VI:			ermel sen-
	v.	Page	v.	Page	v.	Page	_	Page	-	Page	v.	Page	v.	Page	٧.	Page	٧.	Page
Poly(chlorotrifluoroethylene)	2	970	Г	-	Г	-		-		-		-		-		-	13	1409
Poly(chlorotrifluoroethylene- 1,1-difluoroethylene)		-		-		-		-		-		-		-		-	13	1413
Poly(chlorostyrene)		-		-		-		-	ŀ	-		-		-		-	13	1415
Poly(cyclohexyl methacrylate)		-		-	l	-	l	-		-		-	l	-		-	13	1455
Poly(n-decyl methacrylate)		-		-		-		-	ł	-		-	ł	-	ŀ	! -	13	1418
Poly(dlally) pheny)phosphonate)		-		-		-		-		-	ŀ	} -	ł	-	ŀ	-	13	1390
Poly(dially) phthalate)		-	l	-		-	ł	-	ł	-		-	ł	-	İ	-	13	1391
Polyester		-	l	} -	l	-	ł	-		-	ŀ	-	10	596	ı	-	13	1419
Polyester resin, selectron 5026	1	-	l	-		-		-	ŀ	 -	ŀ	-	l	-			13	1512
Poly(ethyl acrylate)	1	-		-		-		-		-		-	1	-		-	13	1423
Poly(ethyl acrylate), pseudo balsa	2	983		-		-	}	-		-		-	ļ	-		-		-
Poly(ethy) methacrylate)	1	-		-		-		-		-		-		-		-	13	1424
Polyethylene	2	956	•	-		-	ļ	-			8	1705	10	597		-	13	1427
Polyethylene, chlorosulfonated	2	983	1	-		-		-		- '		-		-] - '		ļ - '
Polyethylene, Merlex 50		-	ļ	-]	-		-		-		j -		-		-	13	1430
Polyethylene, Marlex 5095		-	ļ	-		-		-		-		-	ļ	-		-	13	1429
Polyethylene, Marlex 6001		-	l	-	1	-		-		-	Ì	-		-		-	13	1429
Polyethylene, Marlex 6002		-	l	-		-		-		-	1	-		- !		-	13	1429
Polyethylens, Marlex 6009		-		-		-		-		-		-		-	ĺ	-	13	1429
Polyethylene chlorosulfonate		-	İ	-		-		-		-		-] - !		-	13	1434
Polyethylene glycol dimethecrylete	[-	İ	-		-		-		-		-	ĺ	- '	1	-	13	1435
Poly(athylene glycol-terephthatic acid), myler		-		-		-		-	8	1708 1710	8	1711	Ì	-		-		-
Polyethylene terephthalate	1	_		_	ł	_	ŀ	l _		_		_		-	1	_	13	1437
Polyethylene terephthalens	1	-		_		_	l	_	l	_		_	10	600	}	-		-
Polyflon M-11		_		_		_		_	1	-	ļ	_		_		_	13	1445
Polyhexahydro-2H-azepine-2-one, silon	2	959		_	l	_		i _	}	_		_	}	_		ļ _	i	_
Poly(n-hex! methacrylate)	-	-		Ì _		_		_		_		_		-		_	13	1453
Poly(2-hydroxyethyl methecrylate)		_		_	1	_]	_		_		_				_	13	1456
Poly(2-hydroxypropyl methacrylate)	}	_		_	}	_		_	}	_		_		_		_	13	1458
, , , , , , , , , , , , , , , , , , , ,	1	_		_		_]	_	a	1714	l s	1716		-		_		_
Polyleide, kepton]	_			}	_		_	ı	1714	1	1716		_		_		_
Polyimide, kapton film	1	_	1	_	1	_		_		_		_		_		_	13	1402
Polylsobutylene		_	l	_	1	_		_	1	_		_	10	593		_	[i -
Polymer		_	ĺ	_		_	ĺ	\ <u>_</u>		_		_		-		 -	13	1512
Polymer, catelin		_	l	_		_	ĺ	_	1	_		_		_		_	1	1424
Polymer, PEMA	1	_	1	-		_	ĺ	_	1	_	1	_	1	_	Ì	-	1	1456
Polymer, PHEMA	İ	1_	1	_		_		_	Ì	_	Ì	-		_	}	-	1	1466
Polymer, PMA	İ			_			l		ł	_	1	_		_	l	_	1 .	1464
Polymer, PMEMA		1		_	1	_	1	_	ł	_	1	_		_	1	_	ł	1482
Polymer, PrOMA	1	1		_	-		1	_	ł	_			ł		1	-	ł	1484
Polymer, PnPMA		_		-	ł	1		-		_	1	_			l	_	ļ	1504
Polymer, resibond 907		٠			1_		_		_		<u></u>	ــــــــــــــــــــــــــــــــــــــ	Ļ.				تنا	

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Substance Name	Col	erme! nduc- vity		olf.	Em	is- vity		lec-		sorp-		ens-	DII	ermei Ffu- /ity	9 i i	ty		emel en-
	V		٧.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page	\vdash	Page
Polymethacrylate .	十	-	Г	-	┢	-		-		-		-	10	601		-		-
Poly(2-methoxyethyl methacrylate)	ı	-		-		-		-		-		-		-	l	-	13	1464
Poly(methyl acrylate)		-	i	-		-		-	ĺ	-		-		-	l	-	13	1466
Poly(2-methy) 1,3-butadiene 2- methyl propene)		_		-		_		-		-		-		-		-	13	1468
Poly(methyl methacrylate)	2	960		-		-	8	1719	8	1721	8	1723	10	602		-	13	1470
Poly(mathyl mathacrylate), AN-P-44A	2	961		-		-		-		-		-		-		-		-
Poly(mathyl methacrylate), Perspex	2	961	ĺ	-		-		-	l	-		-	Ì	-	l	-		-
Poly(methyl pentene)	1	-		-		-		-		-		-		-		-	13	1475
Poly(2-methyl 5-vinyl pyridine- acrylonitrile butadiene)		-		-		-		-		-		-		_		-	13	1476
Polymethy lene	Ì	-		-] -		-		-		-		-		-	13	1477
Polyoxymethylene	1	-		-	l	-		-	l	-		-	l	-	ł	-	13	1478
Poly(n-octyl methacrylate)	1	-		-		-		-		-		-		-		-	13	1482
Poly(n-propy) methacrylate)	2	101		-		-		¦ -		-		-		-		-		-
Polypropylene	1	-	ł	-	ł	-		-	l	-	l	-	10	604		-	13	1486
Poly(pyromellitimide)	1	-]	-		-] -		-		-]	-		-	13	1462
Polystyrene		-		-		-	8	1725		-	8	1728	10	605	ļ	-	13	1489
Polystyrene, colloidal aggregate	2	965		-		-		-		-	l	-	ł	-	ł	-		-
Polytetraethylene glycol dimethacrylate	1	-		-		-		- '		-		-		-		-	13	1436
Polytetrafluoroethylene	2	967		-	8	1730	8	1732	8	1734	8	1736	10	608		-	13	1443
Polytetrafluoroethylene, Halon G-80	ł	-		-		-	ŀ	-		-	l	-		-		-	13	1445
Polytetrafluoroethylene, stretched PTFE, film		-		-		-		-		-		-		-		-	13	1446
Polythene, PM-1, vinyl polymer	1	-		-		-		-		-	1	-		¦ -	l	-	13	1429
Poly(trially) citrate)		-		-	1	-		-		-	[-		j -	1	-	13	1392
Polytrifiuorochioroethylens	2	970	1	-		-		-		-		-		-	ļ	-	13	1442
Polytrifluorochloroethylene, Kel-F	2	970	1	-		-		-		-	1	-		-	l	-		-
Polytrifluoroethylens		-		-		-		-	ĺ	-		-	10	611		-		-
Polyurethane	2	982		-	l	-		-		-	1	-	10	612		-	13	1494
Polyviny) chloride	2	953		-		-	8	1742	1	-	8	1746	10	613		-	1	-
Poly(vinyl cyclohexene dloxide)		-		-		-	1	-	ĺ	-		-	ĺ	-		-	13	1496
Poly(viny) toluene)	1	-	}	-	}	-	}	} -	}	-	1	-	}	-		-	13	1497
Polyvinylidene chloride	ı	-	ļ	-		-		-	ļ	-	8	1746		-	ì	-	1	-
Pollucite	ı	-	ĺ	-		-	ĺ	-	ĺ	-		-	l	-	İ	-	13	709
Polonium, Po		-	ļ	-	l	-		-	ļ	-		-		-	1	-	12	270
Porcelain, 576	2	937		-	l	-		-	ŀ	-		-		-		-	l	-
Porcelain, alumina	2	937		-	ĺ	-		-	Ì	-	ĺ	-	l	-		-	l	-
Porcelein, electrical	2	937		-	1	-		-	1	-		-		-		-	1	-
Porcetein, high zircon	2	937		-		-		-	1	-		-	ĺ	-	1	-		-
Porcelein, magnesium titanete	2	937	1	-	1	-	1	-	l	-	i	-		-	1	-	1	-
Porcelein, wet process	2	937	1	-	1	-	}	-	}	-	1	-		-	1	-		-
Poroloy		-		-	7	1226		-	7	1303	1	-		-	1	-	1	-
Potesfum, K	上	274	4	171	L	<u> - </u>	L	<u> </u>		<u> - </u>	L	<u> </u>	10	144	L		12	271

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Substance Name	Co	erme) nduc- vity		ocif.		is- vitv		lec-		orp-		ens-	DII	rmal ffu- /Ity	8 i t	со~ У		ermel Den-
	v.	Page	v.	Page	<u> </u>	Page	v.	Page	v.	Page	├	Page	v.	Page	٧.	Page		Page
Potassium alloy, K + Na	1,	748	_	428		-		-		-		-	10	254		-	М	-
Potessium mium		-		- ,		-	l	-		-	8	1702		-		_		-
Potassium aluminum silicates:	1	}	ŀ]								
KAISI 30.	ł	-		-		-	ŀ	-		-		-		-		-	13	727
KA1 .S1 .O	1	-	5	1540		-	ŀ	-		-	•	-		-		-		-
KA1 951 901 1 · H20	ł	-	5	1543	l	-		-		-	1	-		-		-		-
Potassium aluminum sulfate, KAl(SO ₄) ₂	ł	-	5	1212	l	-		- ,		-	1	-		-		-		-
Potassium aiuminum sulfate hydrate, KAI(SO ₄) ₂ ·12H ₂		-	5	1215		-		-		-		-		-		-		-
Potassium bromide, KBr	2	566	5	765	8	749 751 753		-	8	759		-		- '		-	13	810
Potassium bromide + potassium chioride, mixture	2	779		-		-		-		-		-		-		-	13	830
Potassium bromide + rubidium bromide, mixture		-		_		-		-		_ !		-		-		-	13	838
Potassium carbonate, K ₂ CO ₈	1	-	5	1124		-		-		- !		-		-		-		-
Potassium chloride, KCl	2	613	5	872	8	862	8	864		•	8	873		-		-	13	982
Potassium chioride + potassium bromide, mixture	2	782		-	}	-		-		_		-		-		-	!	-
Potassium chioride + rubidium chioride. mixture		-		-		-		-				-		-		_	13	1012
Potassium chrome alum salt	2	689		-		-		-		-		-		-		-		-
Potassium chromium sulfate, KCr(SO ₄) ₂ ·12H ₂ O	2	688		_		-		-		-		-		-		-		-
Potassium cobalt fluoride, KCoFs	ł	-	l	-	l	-	В	988		-	ł	-		-		-		-
Potassium deuterium arsenete, KD ₂ AsO ₄	1	-	ł	-		-		-		-		-		-		-	13	620
Potessium deuterium phosphate, $\mathrm{KD_2PO_4}$	2	680		-	l	-		-		-		-		-		-	13	690
Potassium dihydrogen phosphate, KDP	Ì	-	l	-	1	-		-		-	8	604		-		-		-
Potassium dihydrogen arsenate, KH ₂ AsO ₄	2	785	l	-	l	-		-		-		-		-		~	13	623
Potassium dioxide, KO ₂	İ	-	5	184	Ì	-	ĺ	-		-		-		-		-		
Potassium fluoride, KF	1	-	5	979	l	-	8	992		-		-		-		•	13	1056
Potassium germanium oxides:			ĺ		l													
K ₂ O·2GeO ₂		-		-	l	-		-		-		-		-		_	13	
K ₂ D-7GeO ₂		-		-	l	-		-		_	1	-		-		-	13	
3K ₂ O·11GeO ₂	ı	-		-	l	-		-		-	1	-	Ì	-		-	13	498
Potassium hydrogen fluoride, KHF2	1.	-	5	982		-		-		_	_	-	1	_		-		_
Potassium hydrogen phosphate, KH ₂ PO ₄	2	684	Ì	-	l	-		-		i - '	6			-		-		677
Potassium hydrogen selenite, KH ₂ (SeO ₂) ₂	1.			-	l	-		-		-	l	-		_	i !	-	13	694
Potassium hydrogen sulfate, KHSO ₄	2	691	l _	-		-		_	:	-	_	-		-		-	ا i	_
Potassium iodide, KI	1	-	5		1	-	ŀ	1005		-	•	1010		-		-	13	1102
Potassium magnesium fluoride, KMgF _s		-	Ì	-		-	8	975		-	8	977		-		-		_
Potassium manganese fluoride, KMnF _a	1	_	İ	-	1	-	8	988		-	١.	_		-		_		-
Potessium nickel fluoride, KNiF _a		-		-		-	8	979		-	8			-		_	۱ ۱	_
Potassium niobium oxide, K ₂ 0·Nb ₂ 0 _s	1_		_	-		-		-		-	[-		_		<u>-</u>	13	532
Potassium nitrate, KNO _s	2	647	5	1145		-		-		-		-		-		-		-

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Potassium oxide + silicon oxide + 2X4, mixture	12	507		-	T	1.			-		_		-		-		-		-
Potessium rhodenide, KSCN	2	788		-	1	.	-		-	1	-		-	•	-		-		-
Potessium silicon fluoride, K ₂ SIF ₄		-		-	ļ	.	-	8	992		-		-		-	ļ	-		-
Potassium suifate, K ₂ SO ₄		-	5	120	9	.	-		-		-	l	-		-	}	-	13	736
Potessium sulfocyanids, KSCN	2	788		-	1	.	-		- 1		-		-		-		-		-
Potassium superoxide, KO ₂	1	-	5	18	4	.	-		-		-		-		-		-		-
Potessium tentalum oxide, K ₂ 0-Ta ₂ 0 ₈		-	ŀ	-	1	.	-	В	633		-	l	-	}	-		-	13	544
Potessium thiocyanate, KSCN	2	788		-	1	.	-			ļ	-		-	1	-		-		-
Potassium zinc fluorids, KZnF _s	1	-	ŀ	-	1	.	-		-		-	В	990		-		-		-
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Pyroceram	1	-	5	1237		-		-		-		-		-		-		-
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Quartz, crystal		-	5	207	8	371 372	8	374 385 386	8	389	8	391		_		-		~
Quantz, fiber Dyna	2	1144		-		-		-		-		-		-		-		-
Quentz, fused		-		-	8	403 405	8	409 413		415	8	417 426		-		_ 	13	360
Quantz, fused, G.E. 106		-		-		-		-		-	8	421		-		-		-
Quantz glass	2	167 188 923 924	5	202		-		-		-		-		-		_	<u>.</u>	-
Quartz sand	2	į		-		-		-		-		-		-		-		-
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Rare earth boride		-		-	8	722		-		-	8	726		-		-		-
Reflector plate, Alcoa No. 2		-		-	7	4 5		-	7	42 43		-		-		-		`
Refractories, aluminosilicate		-		-		_		-		-		-	10	564		-		-
Refractory materials		-		-		-		-		-		-	10	563		-	1	-
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Refrigerants:	- 1				}		•	}	}	}		}		}	}	}	1	}
R-10, carbon tetrachloride		-		-		-		-	l	-	ŀ	-		-	11	129		-
R-11, trichiorofiuoromethana		-		-		-		-		-	ĺ	-		-	11	220		-
R-12, dichlorodifiluoromethane	-	-		-		-		-		-		-		i -	11	150		j -
R-13, chlorotrifiuorumethane		-		-		-		-		-		-		-	11	145		-
R-13B1, bromotrifluoromethane		-		-		-		-	ĺ	-		-		-	11	104		-
R-14, carbon tetrafluorida		-		-		-		-		-		-		-	11	131		-
R-20, chloroform	ſ	-		-	ĺ	-	ĺ	-		-	l	-	ĺ	-	11	138		-
R-21, dichlorofiuoromethane		-		-		-		-		-		-		-	11	155		-
R-22, chlorodifluoromethans		-		-		-		-		-		-		-	11	133		-
R-23, trifluoromethans		-		-		-		-		-	İ	-		-	11	230		-
R-40, methyl chloride		-		-		-		-		-		-		-	11	194		-
R-50, methane		-		-	İ	-		-		-		-		-	11	186		-
R-113, trichiorotrifluoroethene		-		-	1	-	1	-		-		-] -	11	225		-
R-114, dichlorotetrafiuoroethane		-		-		-		-		-		-		-	11	160		-
R-115, chloropentafluoroethane		-		-		- '		-		-		-		-	11	140		-
R-152A, 1,1-difluoroethane		-		-		-		-		-		-		-	11	165	1 :	-
R-170, ethane		-	1	-		•		-		-		-		-	11	167		-
R-290, propens		-		-		-		-		-		-		-	11	208		-
R-0318, octafluorocyclobutana	İ	-		-		-		-		-		-		-	11	199		-
R-500, R-12-R-152A	- 1	-		-	1	-		-	l	-	l	-	l	-	111	553	{ .	-

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R-502, R-12-R-115	l	-		_		_		_		_	1	_		_	11	558	ł	_
R-503, R-13-R-23	}	_		_		-		_		_	ľ	_	1	_	11	563	i	_
R-504, CH ₂ F ₂ + R-115		- 1		_		-		_	1	(-	1	_		_	11	565	1	-
R-600, n-butane		_		_	Ì	_		_	1	_		_		_ '	١,,	114		_
R-600A, ¿-butane	ł	-		_	ł	_		_		_		-		_	,,	109		_
R-610, ethyl ether		-		-		-		-	ł	_		-		-	11	180		_
R-702, hydrogen	l	l -		-	ł	-	ł	-	İ	-	1	-		-	11	24	,	_
R-704, hellum	l	-		-	ł	-	l	-	l	-	l	-	}	<u> </u>	11	18	l	-
R-704A, deuterium		-		-	ĺ	-	ĺ	_	1	-		-	1	 	11	13	1	-
R-717, ammonia		-		-		-	•	_	1	-		-		-	11	68		-
R-718, water		-		-		-	ł	_		-		_		_	11	94		-
R-720, neon		-		_	1	-		_		_		_	}	-	11	41		_
R-728, nitrogen	}	- '		-		-	l	-		-		_			11	48		_
R-728A, carbon monoxide	l	-		-	ł	-	l	_		-		_		_	11	125		_
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R-730, nitric oxide		_		-		_		_		- 1		_		-]	11	82		-
R-732, oxygen		-		-		_		i - '		-		-		-	11	56		 -
R-734, hydrogen sulfide		- 1		-				- '		-	[_		_	11	80		-
R-736, hydrogen chloride				_		_		-		_	•	_		_	11	76		-
R-738, fluorina		-		-		_		-		-	}	_		-	11	16		_
R-740, argon	ł	-		-	1	-		- I	1	-		-		-	11	2		_
R-744, carbon dioxide	l	-		-		_		-		_		-		-	11	119		_
R-744A, nitrous oxide	(-		_		-		_ !		-		_		-	11	87	1	-
R-746, nitrogen peroxide		-		-		_ '		_		-		_ '		-	11	85		_
R-764, sulfur dioxide		-		-		-		-		- '		-		-	11	91	1	-
R-768, boron trifluoride		-		-		-		-		-		_		-	11	74		_
R-771, chiorine	1	- 1		-	1	-		-		-		-		-	11	11		-
R-784, krypton		-		_		- 1		-		-		-		-	11	37	, }	-
R-1150, ethylene		-		-		-		-		-		-		- 1	11	174		-
R-1270, propylene		-		-		-		-		-		-		-	11	213		-
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Resin, epoxy		-		-		-		- '		-		-		-		-	13	1502
Resin, polyester		-		-		-		-		-		-		-		-	13	1511
Resin, phenoxy		-		-		-		-		-	ļ	-		-		-	13	1512
Resin, phenolic		-		-		-		-		-		-	10	615		-	13	1509
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Substance Name henium ersenide, Re ₂ As ₇ henium chioride, ReCl ₂ henium-germenium intermettalic compounds: RhGe RhGe ₂ henium oxide, ReO ₂ henium selenide, ReSe ₂	Co	1330	V.	Pege - 878	₩	s- vity Page	٤I١		٤I١			ens- ssiv.	D11	ermai ffu- vity	• 1			ermel can-
henium chioride, ReCis henium-germenium intermettelic compounds: RhGe RhGes henium oxide, ReOs henium selenide, ReSes	1	1330		-	v.	Page		_	-									
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henium-germenium intermettelic compounds: RhGe RhGe ₂ henium oxids, ReO ₂ henium selenide, ReSe ₂			5	878		_				-		-		-		-		-
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RhGe ₂ henium oxide, ReO ₂ henium selenide, ReSe ₂		1331								1								
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henium selenide, ReSe ₂	- 1	1331		-		-		-		-		-		-		-		-
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hodium, Rh	1	292	4	184	7		ר	581	7	587		-	10	152		-	12	285
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hyolite tuff		-		-		-	8	1682		-		-		-	1	-		-
ock	2	828		-		-	8	1680		_		-		-	İ	-		-
ock, minerals		-		-		-		-		-		-	10	545		-		-
ock, Winchester crushed trap	2	829 830		-		-		-		-		-		- 		-		-
ock cork	2	1146		-	ĺ	-		-		-		-	1	i -	ĺ	-		-
ock salt, natural	1	-		-	1	-		-		-		-		-		-	13	1003
lock salt, synthetic		-		-	l	-		-		-		-		-		-	13	1003
lock wool	2	1148		-	ļ	~	İ	-	l	-		-	1	-		¦ -		-
ose metal	1	939	l	-	ł	i -		-		-	ŀ	-		i -		-		-
bubben, acrylate	2	982		-	ļ	-		-		-		-		; -		-		-
tubber, acrylic	2	982		-		~		-		-	l	-		-		-		-
tubber, adiprene	2	982		-	l	-		-	l	-		-		-		-		i -
Rubber, butaprene E	2	982		-		-		-		-		-	l	-		-		-
Subber, carboxy nitrile	2	982	ĺ	-	ĺ	-	ĺ	-		i –	ĺ	-		-		-		-
Rubber, chloroprene	2	983		-		-		-		¦ -		-		-		¦ -		-
tubber, dibenzo GMF- cured butyl pseudo belsa	2	983		-		-		-		-		-		-		 -		-
Rubben, Ebonite	2	971		-		-		-		-	1	-	10	617		-		-
Rubber, elastomer	2	974	[-		-	1	-		-		-	Ī	-		-		-
Rubber, epoxy		-	1	-	ĺ	-		-		-		-		-		-	13	1520
Rubber, EPR		-		-	1	-		-		-		-		-		-	13	1520
tubber, foam buns-N	2	981		-	1	-		-		! -	1	-		-		-		-
ubber, halveg elestomer	-	-	1	-	1	-		-	1	-	1	-		-		-	13	1520
lubber, heves	2	983		-		-		-		_		-		-	Ì	-		-
Rubber, Hycar 4021		-		-		-		_		_		-	1	-		-	13	1423

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Rubber, hypelon 5-20	H	_		-		-		_		-	-	_		-		-	Η-	1434
Rubber, hypelon \$2	2	983		_		_		_		- 1		_		_	l	_		_
Rubber, Kel-F 3700	2	983		_		_		_		_		_		-		-		_
Rubber, methacrylate	2	983		_		_		_		_		_		-	1	· -		_
Rubber, miscelleneous polymer	ļ	-		_		_		_		_		-		-	ŀ	-	13	1520
Rubber, neoprens		_		_		_		_		_		-		_		1 -	13	1514
Rubber, nitrile	2	982		_		_		_	}	-		-	ł	-	}	-		_
Rubber, polysulfide	2	982	i	_		-		- !		-	İ	-		_		-		-
Rubber, PR 19-10	} ,	- ,		-		-	8	1740		-	1	-		-		j _		-
Rubber, RTV-77		_		-		-	8	1740		- 1		-		-	l	-		-
Rubber, rubatex R203-H	2	981	l	_		-		-		- !		-		-		-		i –
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Rubber, silicone silestic 160		-		_	1	-		-		-		-		-		! ! -	13	1518
Rubber, silicone silastic 400		-		-		-		-		-		-		-	ŀ	-	13	1518
Rubber, silicone silastic X30028		-		-		-		-		-		-	ł	-		-	13	1518
Rubber, styrene	2	977		-		-		-		-		-	İ	-	İ	<u> </u>		-
Rubber, Thickol ST	2	982		-		-		-	}	-		-	l	-		-		-
Rubber, Viton	2	983	Ì	-		-		- '		-		-	l	-	ł	-		-
Rubidium, Rb	1	296	4	187		-		-		-		-	10	153		-	•	-
Rubidium alloy, Rb + Cs	1	751	ł	-		-		-	ł	-		-	ł	-	ŀ	-		_
Rubidium aluminum silicate, RbA1Si ₂ O ₆		-		-		-		- :		-		-		- 1	ţ	-	13	728
Rubicium bromide, RbBr	ł	-	5	769	В	764	8	766		-	8	768		-		-	13	816
Rubidium bromide + rubidium chioride, RbBr + RbCi, mixtur		-		-	ļ	-		-		_		-		-		-	13	834
Rubidium chloride, RbC1	1	-		-	ł	- '	8	906		-	8	908		-	ŀ	-	13	990
Rubidium dideuterium arsenate, RbD ₂ AsO ₄		-		-		-		-		-		-		-		-	13	627
Rubidium fluoride, RbF		-	5	985		-	ł	-		-		-		-		-	13	1076
Rubidium dihydrogen arsenete, RbH ₂ AsO ₄		-	1	-	l	-	ł	-		-		-		-		-	13	630
Rubidium hydrogen fluoride, RbHF2	1	-	5	988		-		, –		- !		-		-		-		-
Rubidium dihydrogen orthophosphate, RbH ₂ PO ₄		-		-		-		-		-		-		-		-	13	690
Rubidium iodide, RbI		-	5	503	1	-	8	1014		-	8	1018		-		-	13	1109
Rubidium menganese fluoride, RbMnF _e		-		-		-	8	983		-	8	985		-		-	13	1076
Rubidium nitrate, RbNO _s		-		-	1	-		-	1	- !		-		-		-	13	671
Rubidium sulfate, Rb ₂ SO ₄		-		-		-	ł	-	1	-		-		-		-	13	739
Ruby		-		-		-	8	174		-	8	176		-	1	-	l	-
Ruby, spinel, natural	2	284		-	1	-		-		-		-		-		-		-
Ruthenium, Ru	١	300	4	190	7	591		-		-		-	10	154		-	12	290
Ruthenium oxide, RuO ₂		-		-	1	-		-		-		-		-	Ì	-	12	341
Rutfle	2	203	5	246	1	-	8	464 465	1	-		-		-		-	13	394
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SAE 1010, steel	ĺ	1183	4	647	1	_	[-		- !		_		-	İ	_	12	842
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SAE 1015, steel	1	1186		-		-		-		-		-		-		-		-
SAE 1020, steel	1	1183		-		-		-		-	}	-	10	354		-	12	1165 1167
SAE 1095, steel	1.	1114	1	-	}	_		_	}	_	1	_		_		-		-
SAE 4130, steel	ł	1153	ł	_		_		_	l	_		_	10	339		-		-
SAE 4140, steel	1	1155		-		_		_		-	1	_		-		_		_
SAE 4340, steel	1	1213		-		- 1		_	l	_	l	-	10	363		! _		-
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SAE bearing alloy 10, tin alloy	1	1070	l	-		_		-		-		-		- ! -		- -		-
SAE bearing alloy 11, tin alloy	',	1070	1	-	}	- _		- _	l	-	1	_	1	}		_		_
SAE bearing alloy 12, lead alloy SAE bearing alloy 40, copper alloy	1;	976		_		_		_		_		\ <u>-</u>		_	ŀ	-		-
SAE bearing alloy 62, copper alloy		976	1		Ì	_		_	1	_	l	_	ĺ	_		_		_
SAE bearing alloy 64, copper alloy		976	l	_	}	-		_	}	-	}	_		-	ŀ	_		! -
SAE bearing alloy 66, copper alloy	١,	962				_		_		. !		-		-		_		-
Salt, gnome	2	832	}	-		-		-	1	-		_		-		-		-
Salt, pool	İ	-		-			8	1660		-		-		-	ŀ	! -		-
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Samerium, Sm	1	305	4	193		-		-	ļ	-]	-	10	155		-	,	-
Samerium boride, SmB ₂	1	-		-	8	723		-		-		-		-		-	13	797
Samerium cerbide, SmC ₂	ł	-		-		-		-		-		-		-		-	13	936
Samerium oxide, Sm ₂ O ₈		-	5	193	8	352 354 356 358	8	360		-		-		-		-	13	344
Samerium selenide, Sm ₂ Se ₂	j	-	ĺ	-		-		-		-		-	ļ	-		-	13	1192
Samerium silicate		-	-	-		_		-		-	8	622		- !		- !		-
Samerium-silver intermetallic compound, SmAg _e		-		-		-		-		-		-		-		-	12	615
Samerium sulfide, Sm ₂ S ₈	1	-	1	-		-		-		-		-		-	ŀ	-	13	1240
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Sand, lowell	2	834 835		-		-		-	l	-	ì	-		-		-		-
Sand, silica	2	837	(_		_		-		-		_		_	1	_		-
Sandstones:				}														
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Tripolite	2)	}	-		-		-		-		-		-		-		-
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Sapphire	2	93		-	•	179 181 183	8	187		-	•	190		-		-	13	178 180 182 184

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Substance Name	Co	ermel nduc- vity		eat		is- vity		flec-		sorp-		ens-	DI	ermal ffu- vity		sco- ty		ermel Dan- On
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Sapphire, Linde synthetic	2	94	Γ	-		-		-		-		-	Г	-		-		-
Sapphire, synethetic	2	95	1	-		-		-		-		-	l	-	Ì	-		-
Scandla		-	5	196		- '		-		-		-		-		-		-
Scandium, Sc	,	309	4	198		-		-		-		-	10	156		-	12	295
Scandium boride, ScB ₂	į	-	ł	-	8	732	ł	-		-		-	1	-		-	13	797
Scandium oxide, Sc ₂ O ₈	1	-	l	-		-		-		-		-	ł	-	ł	-	13	347
Scandium nitride, ScN	- 1	-	ĺ	-	8	1087		-		-	8	1090	ł	-	Ì	-	13	1162
Scolecite	1	-		-		-	•	-		-	8	1694	•	-				-
Scorched earth + refractory clay + dolomite, mixture		_		-		-		-		-		-	10	433		-		-
Sea-weed, pressed powder	2	1128		-	ļ	-		-		-		-]	-		-		-
Selenides, miscellaneous		-	1	-			8	1129		-	8	1132		-		-		-
Selenite	i	-	l	-		-	l	-		-	8	630		í -	ł	-		-
Selenium, Se] 1	313	4	201		-	В	80		-	8	84	10	157	ł	-	13	149
Selenium alloys:	}	}	•	}		1)		ļ	•			i i				:
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Serpent I ne		-		-	}	-	В	1689		-	8	1694	ļ	-	-	-		i -
Silane	1	-	68	83		-	1	-		-		-		-		-		-
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Silica, crystal		-		-	8	371 372	8	374 385 387	8	389	8	391		- 		-	1	-
Silica, fused		-		-	8	403 405	8	409 413	8	415	В	417 426	10	399		-	13	360
Silica gel		-	}	-		-		-		-	8	422		; -		-		-
Silicans	ł	-	6 s	83	ł	-	1	-	}	-		-		, -	ŀ	<u> </u>		-
Silicates, miscellaneous	l	-	ł	-		-	8	617	ł	-	8	621	ŀ	-	ŀ	-		_
Silicides, miscellaneous	-	-		-	8	1172	B	1175	1	-	Ì	-	l	-		-		-
Silicochioroform	}	-	6\$	92		-		-		-		-		-		-		-
Silicon, Si	1	326	4	204	8	88 89 90	8	97 106	8	108	8	110	10	160		-	13	154
Silicon, oxidized		-		-		-	9	1316 1318		-	9	1320		-		-		-
Silicon alloys:												i !						
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SI + Fe, Russian, ferrosilicon	1	765	ł	-	}	-	l	-	}	- !		-		- !		-		-
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Silicon borides:					Г													
SIB4		-		-		-		-		-		-		-		-	13	797
SIB ₆		-		-		-		-		-		-	l			-	13	797
Silicon carbides:						 -												
SIC	2	585	5	448		-		-		-		-	10	477		-	13:	673
SIC brick, refrax	2	586		-	8	791 792 796 798	8	802	8	808 810		-		-		-		-
Crystolon SiC	2	586		_		-		_		-		-		-	1	-	1	-
кт	l	-	ł	-	8	794		-		-	ł	-		! -		 		-
Refractory	2	586		_		-		-		-		-		-		-		-
Silicon carbide + silicon, mixture	2	718		-		_		-		-		-		-		-		-
Silicon carbide + silicon dioxide, mixture	2	553		-	l	-		-	l	-		-	1	-		-		-
Silicon carbide + silicon dioxide + ΣΧί, mixture	2	554		-	İ	-	E	_		_		-		-		_		-
Silicon carbide + zirconium boride, mixture		-		-		-		-		-		-	10	536		-		-
Silicon chioride, SiCl ₄		-	5 6s	881 83		-		-		-	ľ	-		-		-		-
Silicon dioxide + aluminum, cermet		-	ĺ	-		-	8	1428		-		-		-		-]	-
Silicon dioxide + zirconium oxide + ΣΧ4, mixture	2	534		-		-	ţ	-	l	-	ŀ	-		-		ļ <u>-</u>		-
Silicon fluoride, SIF ₄		-	6s 5	84 991		-		-		<u> </u>		-		! 		-		-
Silicon hydrids	}	-	68	83		-		-		-		-	ļ	ļ -		· -		-
Silicon nitride, Si _s N ₄	2	662	5	1087	8	1062 1065 1067	8	1069		; - 		-		-		-	13	1140
Silicon oxides:				1			<u> </u>						ĺ	ļ		İ] !	
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SIO ₂	ł	-		-		-		-	İ	-	9	1073		-		-		-
Cristoballte	ļ	-	5	210		-		_		ļ -		-		-		-		-
Crystalline	2	174		-	8	371 372	8	374 385 387	8	389	8	391	10	396		-	13	350
Domestic, USA	2	175		-	1	-		_		-		-		-		-		-
Foamed fused silica	2	184		-		-		-		-		-				-		-
Fused	2	183		-	8	403 405	8	409 413	8	415	8	417 426	10	399		-	13	358
Linde silica	2	184		-	}	-		-		-	ļ	-	ļ	-		-] }	-
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Quantz glass	2	167 188		-		-		-		-		} -		-		-		-
Silica gel	2	185	1	-	1	-		-		-	1	-		! -	l	; -		-
Silica refractory brick	2	185		-]	-		-		-		-		-		-		-
Slip 10	2	189		-		-		-		-		-		-		-		-
Stip 18	2	188		-	l	-		-	l	-	1	-		-	ł	-		-
Slip cast fused sliica	2	184	}	-		-		<u>-</u>		-		-		-		-		-
Star-brand brick	[2	185		<u> - </u>	L		<u> </u>		L_	<u> - </u>	<u></u>	<u> </u>	<u>L</u>	<u> - </u>	L	<u> </u>	Ш	لــــــــــــــــــــــــــــــــــــــ

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Substance Name	Co	ermal nduc- vity		ecif.		is- vity		lec-		sorp-		ens- ssiv.	Di	ffu-	si			an-
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Silicon oxides: (continued)																		
Vitreous	2	184		-		_		-	1	-		-	ĺ	-		i -		_
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Tridymite	}	-	5	213		-		-		-		-		-	ļ	-		-
Silicon oxide + chromium, cermet	ł	-	ł	-		-		_	ł	· -	8	1401		-		-		-
Silicon oxide + sodium oxide + \$X4, mixture	2	510	ł	-	ł	-		_		-		-	10	441		 -		i -
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Substance Name	Co	srmal nduc- vity		oif. Bat		ls- vity		Flec-		sorp-		ens-	DI	ermai ffu- /ity	8 [1	ty		ermei Den- Dn
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Silver-aluminum intermetallic compound, Ag ₂ Al		-		-		-	8	1352		-		-		-		-		-
Silver-antimony-tellurium intermetallic compound, AgSb	١,	1335		-		-		-		-		-		-		-		_
Silver antimony telluride + tin telluride, mixture	١,	1410		-		-		-		-		-		-		-		-
Silver antimony telluride, AgSbTe ₂	,	1335		_		! -		-		-		-		-		_) -
Silver bromide, AgBr	2	569	1	-		-	8	770 773		-	8	775	10	479		-	13	836
Silver bronze	١,	579 980		-		-		-		-		-		-		-		-
Silver-cadmium intermetallic compound, AgCd		-		_			8	1326	}	_		-		-		-		_
Silver carbonate, Ag ₂ CO ₈		-	5	1127	1	-		-		-		-		-		-	1	-
Silver chloride, AgCl	2	620	5	884		-	8	876		-	8	879	[-		-	13	995
Silver-copper intermetallic compound, AgCu	1	1338	}	-		_		-	}	_	}	-		-		-	}	-
Silver Iodide, Agi	2	563		~	1	_	8	1022		- 1	8	1024		-		-	13	1114
Silver nitrate, AgNO ₂	2	650		-		-		-		-		[-	[-		-	13	655
Silver nitrite, AgNO ₂		-	5	1148		- ,		- 1	l	-		-		-		-		-
Silver oxide, Ag ₂ O	l	-	5	199	ĺ	-		- :		-	ŀ	-		-		-		-
Silver selenide, Ag ₂ Se	1	1339	5	553		-		-		(-		-		-		-		<u> </u>
Silver selenide, nonstoichiometric		-	5	556		-		-		-		-		-		-		-
Silver solder, easy-flo	1	1059		~		-		- '		-		-		-		-		-
Silver solder, silver alloy easy-flo	1	1059		-	1	-		-	1	-		-		-		-		-
Silver sulfide, nonstolchiometric	-	-	5	705		-		-	ł	-		-		-		-		-
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Silver-zinc intermetallic compound, AgZn		-		-		-		-		-		-				-	12	619
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Sodium, electrolytic		-	4	215		-		-		-		-		-		-		_

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Sodium acetate	2	1006		-		-		-		-		-		-		-		-
Sodium aluminum oxida, Na ₂ 0-Al ₂ 0 ₉		-	5	1549		-		-		-	1	-		-	ĺ	_		-
Sodium aluminum fluoride, Na _s AlF _e	1	-	5	997		-		-		-		-		-		: ! -		-
Sodium aluminum silicate, NaAlSi _s O _s	1	-	5	1602		-		-		-		-		-		-	13	728
Sodium bicarbonate, NaHCO _s	1	-	5	1133		-		-		-		-		-		-		-
Sodium borate		-		-	l	-	8	582	1	-		-	ł	-		-		-
Sodium bromate, NaBrO _e	1	-		-		-		-		-		-		-		-	13	633
Sodium bromide, NaBr		-	5	772		-		-		-		-	1	-		-	13	821
Sodium calcium silicate, Na ₂ CaSIO ₄	1	-		-		-	l	-		-		-	-	-		-	13	728
Sodium carbonate, Na ₂ CO _e		-	5	1130		-	8	593		_		-		-		-		-
Sodium chiorate, NaClO _s		-		-		-	8	594		- !		-	ĺ	-		-	13	648
Sodium chiorate + sodium nitrate, mixture	1	-	1	-		i -		-		-		-	1	-	11	567		-
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Sodium fluoride + zirconium tetrafluoride - + XX4, mixture	2	646		_		_	l	_		_ !		_		-		_		_
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Sodium hydrate, NaOH	2	790	-	_		_		-		_ !		-		_		 -		· : -
Sodium hydrogen carbonate		_	5	1133		_		_	1	-	}	_	Ì	! –		-		_
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Sodium hydroxide, NaOH	2	790		_		-	l	_) -		_		-		! _		_
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Sodium iron dioxide Sodium lanthanum molybdenum oxide, NagO:LagOg:4M		-		_		 -		_		-		-		 -		_	13	52
Sodium molybdenum oxides:											ĺ	<u>.</u>		:		!		
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Sodium nickel fluoride, NaNiF _a	1	-		-		-	1	_		-	8	990		i -	١.	-		-
Sodium nioblum oxide, Na ₂ O·Nb ₂ O ₈	1	-	-	-	1	-		-		<u> </u>		_				-	13	53:
Sodium nitrate, NaNOs	2	651	5	1151		-	8	600		_	1	-		-		i -	13	65
Sodium nitrite, NaNO ₂	l	-	1	_	1	-		_		-		-	l	-	l	-	13	661
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Sodium acide, NegO Sodium ocide, NegO Sodium	Substance Name	Cor	mduc-			at	Emi	18-	Ref	flec-	Abi	sorp-	Tre	ans-	1011	ffu-			Ext	pen-
Sodium oxide, Ne ₂ O Sodium oxide + sodium, carwest 2 7 721		-		.t.	Ţ		₩		+		+		_		+	,		Page	+	
Sodium phosphete 2	Sodium oxide, Ne ₂ 0	+	+	+	-	 +	-	+		1	-	+	+	+	+	+	†	+	+	-
Sodium silicates: Me_SIO_a Me	_	2				-		- 1	11	-		-		-		-		-		-
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Sodium teiturate, Ne ₃ TeO ₉ Sodium tetrafluoroborate, NeBF ₄ Sodium-thel) lum Intermetallic compound, NeTI Sodium-thel) lum Intermetallic compound, NeTI Sodium-thel) lum Intermetallic compound, NeTI Sodium tritanium oxides: Ne ₃ O-TiO ₉ Ne ₃ O-ZiO ₃ Ne ₃ O-ZiO ₃ Sodium trideuterium selenite, NeO ₃ (SeO ₃) ₃ Sodium trideuterium selenite, NeNo ₃ (SeO ₃) ₃ Sodium trideuterium selenite, NeNo ₃ (SeO ₃) ₃ Sodium tripolyphosphate Sodium tripolyphosp	Na ₂ S ₂ O ₃ · 5H ₂ O	2	693	1		- 1	1	- 1	1	- '		-		-	1	-		-		1-1
Sodium tetrefluoroborate, Na66, Sodium-thallium intermetallic compound, NaTI Sodium-thallium intermetallic compound, NaTI NagO-TIO3 Sodium tribydrogan salenite, NaMa(SeOa)3	Na ₂ SO ₄ · 10H ₂ O		-	1	}	- 1	Ĺ	- 1	1	- '		-		-	1	-		-	1	1 - 1
Sodium-thellium intermetallic compound, NeTI Sodium titanium oxides: Na ₂ 0-710 ₂ Na ₃ 0-2710 ₃ Na ₂ 0-3710 ₃ Sodium trideuterium selenite, Na0 ₂ (SeO ₂) ₂ Sodium trideuterium selenite, Na0 ₂ (SeO ₂) ₂ Sodium tripdrogen selenite, Na0 ₂ (SeO ₂) ₃ Sodium tripdrogen selenite, Na0 ₂ (SeO ₂) Sodium tripdrogen selenite, Na0 ₂ (SeO ₂) Sodium tripdrogen selenite, Na0 ₂ (SeO ₂) Sodium tripdrogen selenite, Na0 ₂ (SeO ₂) Sodium tripdrogen selenite, Na0 ₂ (SeO ₂) Sodium tripd	Sodium tellurate, Na ₂ TeO ₄	1	-	5	, ,	1575		- 1	1	- '		-		-		-		-	1	1
Nag0-2T10s Nag0-2T10s Nag0-2T10s Nag0-2T10s Nag0-2T10s Nag0-2T10s Sodium trideuterium selenite, NaDs(SeOs)s Sodium trideuterium selenite, NaDs(SeOs)s Sodium tripolyphosphate Sodium tungsten oxides: Nag0-W0s Nag0-W0s Sodium tungsten oxides: Nag0-W0s Sodium tungsten oxides: Nag0-W0s Sodium vanadium oxides: Nag0-VgOs Sodium vanadium oxides: Nag0-V	Sodium tetrafiuoroborate, NaBF4		-			-]	ĺ	- 1	1	- '		- '		-		-		-	13	1076
Ne ₂ O-TIO ₂ Ne ₂ O-2TIO ₃ Ne ₂ O-3TIO ₃ Ne ₂ O-3TIO ₃ Sodium trideuterium selenite, NaO ₃ (SeO ₃) ₃ Sodium trideuterium selenite, NaO ₃ (SeO ₃) ₃ Sodium trideuterium selenite, NaO ₃ (SeO ₃) ₃ Sodium tripolyphosphate Sodium tripolyphosp	Ten		-			- }		- 1	1	-		-		-		-		-	12	622
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Sodium trideuterium selenite, NaD ₂ (SeO ₂) ₂ Sodium trihydrogen selenite, NaD ₂ (SeO ₂) ₂ Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphate Sodium tripolyphosphat	Ne ₂ 0-2T10 ₃		}	1 :	1		1	1				1			1					1 1
Sodium trihydrogen selenite, NaNa (SeO ₈) a Sodium trihydrogen selenite, Nana (SeO ₈) a Sodium trihydrogen se	Na ₂ 0-3T10 ₂	1	1	5	1	- 1								1		í	1	İ		} }
Sodium tripolyphosphate	Sodium trideuterium selenite, NaD ₂ (SeO ₂) ₂							1 1	1			1		!					1 1	' 1
Sodium tungsten oxides: Na ₂ 0·WO ₂ Na ₂ 0·WO ₃ Sodium vanadium oxides: Na ₂ 0·V ₂ O ₄ 2Na ₂ 0·V ₂ O ₆ 3Na ₂ 0·V ₂ O ₆ 3Na ₂ 0·V ₂ O ₆ 3Na ₂ 0·V ₂ O ₈ - 5 1599	Sodium trihydrogen selenite, NaH ₂ (SeO ₂) ₂			1		. }	1												13	1 (
Na ₂ O·WO ₂	Sodium tripolyphosphate		-			- 1	•	- 1	8	608	1	-		-		-		-		-)
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Solar cell, IRC	Soft		-	ł		1	1			1 :				-	10	549	1	-		1-1
Solder, Pb + Sn		2	805	1		ł	1			i i				-		-		-	1	1-1
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Substance Name	Col	erme1 nduc-		ocif.		ils-		flec-		orp-		ns-	Dit	rmal	V 1 1 8 i 1	co-	Exp	ermal
	V.	Page	v.	Page	v.	Page	v.	Page	V	Page	V .	Page	←	Page	v.	Page	V	Page
Spodumene	2	851		_	۲	-		_		-	<u> </u>	-		-		_		
Spruce	2	1086		_	ļ	-		- !	l	-		_		_		-		-
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Stannic oxide, SnO ₂	2	199	5	240	}	-	8	451		-		-		-		-		-
Stannic selenide, SnSe ₂	1	1352		-	1	-		-		-	1	-		; !		-		-
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Steatite, 1202	2	853	•	-	1	-	•	-	ļ	-	ļ	-	[-	ļ	_		-
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Steatite, cordierite	2	919)	-	}	} -		-		-		-		-	ŀ	-		-
Steatite, sompstone	2	853	ļ	-	}	-		-		ļ - _,		-	1	-	}	-		-
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Steel, 40 N7	}	-	1	-		-		-		<u> </u> -	}	-	}	-	}	-	ł	1185
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Steel, AISI 2515	1	1198		-	-	-		-		-		-	1	-	}	-		-
Steel, AISI 3140		-	1	-		-	}	-	}	-	}	-	10	361	1	-	}	-
Steel, AISI 4130	ł	1153	l	-	1	-	Ì	-	1	-	Ì	-	1	_	1	-	1	-
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Steel, AISI 4340] '	1213		-		-		-		-	}	-		-		-		1177
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	V.	Page	v.	Page	٧.	Page	v.	Page	v.	Page	٧.	Page	v.	Page	v.	Page	v.	Page
Steel, Allegheny metal	Γ	-	Γ	-	7	1225	Г	~		-		-	Γ	-		-		-
Steel, aluminum	1	1142	4	626	ĺ	- 1		-	ĺ	-		-		-		-	12	639
Steel, AMS 2713	1	1210		_	l	-		-		-		-		 -	ŀ	-		-
Steel, AMS 2714	1	1213		-	ļ	_		-		-		-		-		-		-
Steel, AMS 6487		-		-		_	'	_		-		-		-		-	12	1146
Steel, antimony		-	4	629	ĺ	-		-	ĺ	-		-		-	ĺ	-	1	-
Steel, Armco 21-6-9		-		-	ł	-		-		-	ŀ	-		-		-	12	1148
Steel, austenite		-	4	655	•	-		-		-		-		-		-		-
Steel, British	1	1187		-	l	-		-		-		-		-		-		_
Steel, British 4	1	1114	1	-		- 1		-	l	-		-		-	l	i -		-
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Steel, British 7	ļ١	1118		-		-		-		<u> </u>		-		-		-		-
Steel, British, En 8	١,	1184		-	1	-		-		-		-		-		_		-
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Steel, British, En 19	1	1153]	-		-		-		-		-		-		-		-
Steel, British, En 31	1	1153 1154		-		-		-		-		-		-		-		! -
Steel, British, En 32 A (BGK1)	1	1192		-		-	[-		-	ĺ	ļ -		-		-		-
Steel, British, H.20	1	1154		-	l	-	1	_		-		-	}	-		-	ŀ	-
Steel, British, H.27	١,	1154		_		_		-		-		_		_		· -		-
Steel, British, H.46	1	1154		-		-	'	- 1		-		 		-		_		-
Steel, British, Nicrosilal	1	1204		-		- 1		-		- 1		-				-	İ	-
Steel, British, Staybrite	1	1161		-	l	-	l	- !	ŀ	-		-	1	l - 1		- 1	l	-
Steel, carbon	١,	1119	4	619		_		-	ŀ	_		_	10	332	11	573	12	
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Steel, carbon 3	ł	1118	Ì	-		-		-		-		-		-		-		-
Steel, carbon 4	1	1118	Ι.	_		-		-	l	-		-		-		-		-
Steel, carbon, eutectoid		-	1	624		-		-	ĺ	-		_		-		_		-
Steel, carbon, hyper sutectold		-	4	624	l	-		-	ł	-		-		-	i	_		-
Steel, carbon, U-8		-	4	624		-		-		-] -] -		-		-
Steel, carbon, Japanese	١	1185		-		-	'	-		-		-		-		-	Ì	-
Steel, carbon, SAE 1020	ĺ	-	ĺ	-	1	-		-		-		-		-		_	12	1167
Steel, Chromel 502	'	1210		-	1	-		-	ł	-		-	l	-	ŀ	-		-
Steel, chromium	1	1148 1152		632 638		1178 1190	7	938 1196	7	1203		-	10	338 344		-	12	707 1136
		1160 1164		678 687		1210		1264 1283										
						1242 1253						[
Steel, chromium, oxidized		-		-	9	1 303		-	l	٠- ا		-		-		-		-
Steel, cobelt	١,	1176	4	641	}	-		-		-		- ,		-		-	12	736 1158
Secol cabalt subsets!	Į	_	١,	641]	_		_	İ	_		_		_		_		-
Steel, cobalt, eutectoid	١,	1179		644		_		_		_		_	l	_		_	12	771
Steel, copper	1 '	,3	1 ~		1	i i	1	ł	l	1		1	ł	1	ŀ	1	l	1162

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Substance Name	Co	armal nduc- vity		elf.	Emi	s- /ity		lec-		sorp-		ens-	Dii	ermei ffu- vity	9 i	ty		ermal: pen- on
	v.	 -	v.	Page		Page	_		-	Page	⊢		├	Page	v.	Page	_	Page
Steel, crucible	1,	1204	T	-	Н	_	П	-	_	-				-		-		_
Steel, Cubex	1	-		-		-		-		-		-		-	l	-	12	870
Steel, eutectoid		-	4	655		-		-		-		-		-		-		-
Steel, Fernichrome		-		-		-		-		-		-		-		-	12	1177 1178
Steel, Fernico	1	-		-		-		-	ł	-		-		-	}	-	12	1178
Steel, fish-plate	1	1119		-		-		-		-		-		-	İ	-		-
Steel, FNCT	1	1213		-		-		-	l	-	ļ	-	1	-		-		-
Steel, German, Krupp	1	1115 1184		-		-		-		-		-		-		-		<u> </u>
Steel, German PD4	1	1118		-		-		-	l	-		-		-	1	-		-
Steel, German, St42.11	1	1186 1218		-		-	•	-		: - i		-		-	1	-		. -
Steel, GX 4881		-		-		-		-		! -		-	10	342		-		. - '
Steel, Haynes alloy N-155	1	1177		-	7	1227 1238		-		-		· ~		-		-		-
Steel, high speed	1	1230 1231 1232 1234	Ì	-		-		-		-		: -				-		- -
Steel, high speed 18	1	1233	}	-		-		-		į -		· -				: -		-
Steel, high speed 18-4-1	1	1233	1	-		-		-		, -						-		: -
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Steel, high speed M2	1	1233		-		-		! -	ł	-		. -			1	: -		-
Steel, high speed M10	1	1195		-	,	-		-		-		: _		-	l	_		- 1
Steel, high speed T1	١,	1233	l	-		-		: -				i -		-		-		-
Steel. high-perm-49	1	1199	1	- 1		-		! <u>-</u>		-	ŀ	! -		: -	ł	· -		-
Steel. hX 4249	1	-	1	-		-		! -			l	-	10	342		<u> </u>		-
Steel, Incoloy	1	<u>-</u>	4	726		-	1	-		: -		· , -		-		-		i _
Steel, Invar	1	1199		_		-		' -				-		-				852 853 1175 1178 1179 1180 1181 1182
Steel. Invar 36	Ì	-		- 1		-		-		-	}	-		-		-	12	1183
Steel. Invar free cut	1	1 205	}	' -		-		-	١	-		-		-	1	-		-
Steel, Japanese	1	1210	-	-		-		-		-		-	ł	-	}	1 -		; -
Steel, Kanthal		-	1	-)	1192	ì	-	7	1 204	1	-	1	-		-		!
Steel, Kanthal, A	1	-	1	-	ł	1192	1	-		-		-		<u> </u>		· -	[- 1
Steel, Kanthal, Oxidized	1	-		· -	9	1303	1	-		-		1 -		; -	}	-		. -
Steel, Kovar	1	1203	1	- :		-	7	1313		-	1	-	1	-		! -		-
Steel, low alloy	- 1	1213	Ĺ	-		-		-	}	-	1	-		-	1	· -		۱ -
Steel. low-exp-42	1	1 205	l	-		-	1	-		-	1	-		: -	1	. -		-
Steel. low Mn	- 1	1183	1		Ì	-		-		-	l	-	1		l	- .		! -
Steel. Mi high speed tool	1	1195	1	-		-		 		i -		<u>-</u>		-		-		-
Steel, M10 high speed tool	1	1195	1	-		-	1	-	l	· -	1	j -		-		-		i -

	T				TI	nerme'	R	ediet	l ve	Prop	ert	ies						
Substance Name	Co	ermei nduc- vity		ocif.	Em	is- vity		flec-		orp-		sns-	DI	ermel ffu- vity	811	eco- ty		erme! pan- on
	v.	Page	v.	Page	v.	Page	v.	Page	⊢	Page	v.	Page	v.	Page	v.	Page	٧.	Page
Steel, magnet, K.S.	٦,	1177	Г	-		-	Г	-	Г	-	Γ	-		-		-	Г	-
Steel, manganese	١,	1182	4	647 650	7	1 305 1 307		- '	7	1 309		-	10	353 357		-	12	841 1165
	1	1131		655 723	}		1							337	1			
Steel, manganese, eutectold		_	4	655		-		_		-		-		-		-		-
Steel, Maraging	1	-		-		-	l	-	1	-	l	-		-		-	12	1183
Steel, mild	2	1141	4	647	7	1305		-	7	1310		-	ł	_		-		-
Steel, molybdenum	Ι,	1194	[_		_		_		_		_		_		-	12	845
Steel, nickel	1		4	660	7		7			-		-	10			-	12	
		1202 1209 1212	1	726 729		1175 1317 1320		1324			ł			362		į		1175
Steel, nickel, oxidized		-		-	9	1		_		_	ĺ	_		_		-		-
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Steel, NI-Cr	1	1168		-		-		-		-		-		-		-		-
		1210							l						}	!		
Steel, Nilo 36		-		-		-		-	l	-		-	ł	-	ł	-	12	1187
Steel, Nilo 40		-		-		-		-	ĺ	-		-		•	l	-	12	1187
Steel, Niromet 42		-		-		-		-		-		-		-	İ	-	12	853
Steel, N! span	ļ	-		-	,	-		-		-	{	-		-	l	-	12	1183
Steel, NI span C	1	1214		-		-		-		¦ - '		-		-		-	12	1183
Steel, oil-hardening non-deforming	1	1125		-		j -		-		-	}	-	}	-		-	i	! - !
Steel, oxidized	-	-		-	9	1305 1308		-	}	-	}	-	}	. - !		-		-
Steel, peanlite		-	4	655		-	l	<u> </u> -		-		-		! - :		-		-
Steel, phosphorus	1	1216	Ì	-		-		i -		-		-		-	ł	-	1	-
Steel, platinum		-		-	ĺ	-	ĺ	-	ĺ	-		-	{	-		-	12	861
Steel, Potomac A		-		-	7	1192	7	1198	1	-		-		<u>-</u>		! -		· -
Steel, Russian] 1	1118		-	ļ	-		-		_		-	1	! -	1	i -		
Steel, Russian, 15		-		-		-		-		-		-	10	354		~		<u> </u>
Steel, Russian, 22	1	1192		-		-	}	-		-		-		-		-		-
	1	1222					1			}	ŀ	 		!	}			
Steel, Russian, 35	1	-		-	ł	-		-		ļ -	ł	-	10	1		-		- -
Steel, Russian, 45	İ	-		-		-		-	ł	-		-	10	355		i		- 1
Steel, Russian, El-257	1	1166 1214	4	720		-		-		-		-	ł	-	ł	-		-
Steel, Russian, El-435		-		-		-		-		-		-	10	300		-		-
Steel, Russian, Ei-572	1	1167		-		-	1	-		-		-		-		-		-
Steel, Russian, El-606	١,	1167	1	-		-		-		-		-		-		-		-
Steel, Russian, ferrosilicon 45 percent	1	1218	ĺ	¦ -		-	1	-	l	-		-		-	l	-		-
Steel, Russian, ferrotitanium	1	1225		-	l	-	ł	-		-	l	-		-	1	-		- !
Steel, Russian, Kh Zn	1	1210	1	-	l	-	1	-			1	 -	1	<u>:</u>		-		-
Steel, Russian, R7	1	1236		- 1	1	-		-		-	1	-		-		-		-
Steel, Russian, R10	1,	1236	ĺ	-		-	ĺ	-		-	l	-		-	1	-		-
Steel, Russian, R12	1	1236		-		-		-		-	l	-		-	l	-	1	-

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Substance Name	Co	ermal nduc- v!ty		ecif.		is- vity		Flec-		sorp-		ens- ssiv.	D11	ermel ffu- vity	* i	sco- ty		ermal pen- on
	v.	Page	v.	Page	v.	Page	٧.	Page	٧.	Page	v.	P.		Page	٧.	Page	٧.	Page
Steel, Russian, R15	1	1235		-	Г	-		-		-		-	:	-	Г	-	Г	-
Steel, Russian, R15Kh3	1	1235		-		-		-		¦		-	l	-		-		-
Steel, Russian, R15Kh3K5	1	1235	i	-		-		-		-	İ	! -		-		-		-
Steel, Russian, R15Kh3K10	۱,	1235		-		-		-		-		-		-		-		-
Steel, Russian, R15Kh3K12	1	1235 1236		-		-		-		-		-		-		-		-
Steel, Russian, R15Kh4	1	1236		-	ĺ	-		-		i -		-		-		-		-
Steel, Russian, R18	١	1236		-	Į	-		-		-		-		-		-		-
Steel, SAE 1010	1	1183	4	647		-		-		-		-		-		-	12	842 1165 1167
Steel, SAE 1015	1	1186		-		-	٠	_		-		-		-		-		-
Steel, SAE 1020	1	1183		-	1	-		<u> </u>		-	ŀ	-	10	354		-	12	1167
Steel, SAE 1095	1	1114		-		-		-		-		-		-		-		! -
Steel, SAE 4130	1	1153		-		-		-		-		-	10	339		-		-
Steel, SAE 4140	1	1155	ł	-				-		-		-		-		-		-
Steel, SAE 4340	1	1213 1214		-		-		-		-		- 	10	363 364		-		-
Steel, silicon	1	1217	4	668 732		-		-		-		-	10	366		-	12	868
Steel, sliver	١ ا	1114		-		-		-		-		-		<u> </u>		-		-
Steel, soft	١ ا	1126		-		-		-		-		-		-		-	Ì	-
Steel, stainless	'	1148 1152 1160 1164		632 635 638 678 690 699 717		1178 1184 1190 1210 1231 1242 1256	7	1196 1264 1283	7	1203 1206		-	10	338 344		_	12	1138
Steel, stainless, 15-5PH	1	-		-		-		_		-		-		-		-	12	1141
Steel, stainless, 17-4PH	1	1168	4	717		-		-		-		-		-		-	12	1138 1141
Steel, stainless, 17-7	1	1165		-		-		-		-		-		-		-		! -
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Steel, stainless, AFC-77		-		-		-		-		-		-		-		-	12	1145
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Strontium, Sr		_	4	218		_		_		_		_	10	170		_	12	313
Strontium aluminum silicate, SrAl ₂ Si ₂ O ₈	ı	_		_		-		_		_		_		_		_	13	728
Strontium boride, SrBs	ı	_	ŀ	-	8	732		_		_		_	Ì	_		_		_
Strontium bromide, SrBr ₂		_	5	775		-		_		_		-		_		_		_
Strontium carbonate, SrCO ₃		-	5	1136		-	1	-	1	-		_		-		-		_
Strontium chioride, SrCl ₂		_	5	890		_		-		_		-		_		_	13	1014
Strontium fluoride, SrF ₂	1	-	5	1003		_	8	968		-	8	971		-		_	13	1065
Strontium fluoride + \(\Si\)i, mixture	2	791		-		-		-		-		-		-		_		-
Strontium hafnium oxide, SrO·HfO ₂		_		-		_	8	597		-		_		-		-	13	502
Strontium lead oxide, SrO-PbO ₂	1			-		-		-		-		-		-			13	516
Strontium metatitanate + cobalt, cermet	2	722		-		-		-		-		-		-		-		-
Strantium molybdenum oxide, SrO-MoO ₃	1	j -		-		-		- :		-		-		-		-	13	522
Strontium nitrate, Sr(NO ₃) ₂	ł	-	5	1154		-		- '		-		- '		-		-	13	668
Strontium oxide, SrO	2	194	5	225		-	8	546		-		-		-		-	13	372
Strontium oxide + titan um oxide + ΣΧέ, mixture	2	517		-		-		-		-		_				-		_
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Strontium silicates:	l		ĺ															
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Strontium silicide, Sr ₂ Si	1	1343	l	-		-		} - ¦		-		-		-		-		-
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Strontium sulfide, SrS		-	5	708		-		-		-		-		-		-	13	1240
Strontium-tin intermetallic compound, Sr ₂ Sn	,	1344		-		-		-		-		-		-		-		-
Strontium titanium oxides:																		
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Strontium zirconium oxide, SrO-ZrO ₂	2	307	5	1617		-	8	676	l	-		_		-		-		611
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Sulfur dioxide, SO ₂	3	116	6	97		-		-		 -		-	1	-	11	91		-
Sulfur dioxide + sulfuryl fluoride, mixture		-		-		-		-		-		ļ -	i	-	11	570		-
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Sulfur trioxide, SO ₃	1	-	6s	88		-		-		-		ļ -		-		ļ -		-
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Superpax	ļ	-		-		-	8	613	İ	-	1	-	ĺ	-	İ	<u> </u>		-
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Systems, honeycomb structures, metallic-nonmetallic	2	1015		-		-		-		_		-		-		-		-
Systems, honeycomb structures, nonmetallic	2	1010		-		-		-		-		-		-		-	1	_
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Tantalum alloys:																		
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Ta + Nb + ΣX4	١.	1062	4	592		-		-		-		-	10	320	. ;	-	12	1266
Ta + W + XXi	١	1065	4	595	7	1481		-		-		-	10	322		-	12	126 126
Ta + W + ΣX4, T-111		-		-	7	1481		-		-		-	10	323		-	12	126
Ta + W + ΣΧί, T-222	١,	1066		-	1	-		-		-		-	10	323		-	12	1270
Tentalum aluminum compound + tentalum, mixture		_		-		-	8	1433		-		-		-		-		-
Tentelum-eluminum intermetellic compound, TeAl _e	•	-		_	8	1330	8	1332		-		_		-		-		-

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Tantalum beryllides:													Γ					
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Tantalum carbide + tungsten carbide, mixture		-		-		-		-		-		-				· -	13	940
Tantalum-garmanium intermetalifc compound, TaGe ₂	1	1348		-		-		-		-		f 				_		-
Tantalum nitrides:			ļ	ĺ						1	}	,						
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Tantalum silicide, TeSi ₂		- !	5	598		1156 1157 1159	8	1161				-		-		-	13	1202
Tantalum vanadium oxide, Ta ₂ O ₅ ·V ₂ O ₅	- }			· -		-	}	-		-		~	ĺ	-		-	13	597
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Tekite, synthetic		-			1	-		-		-		-	10	579		-		~
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Tellurium alloys: Te + Se	V. Page	v	v.	٧.	V. F	Pag	, I	٧.	Page	v.	Page	v.	Page
Tellurium alloys: Te + Se Te + Tl Te + As + TX4 Tellurium dioxide, TeO ₃ Terbium borides: TbB ₁ TbB ₁ TbB ₂ TbB ₃ Terbium carbide, TbC ₃ Terbium carbide, TbC ₃ Terbium carbide, TbC ₃ Terbium carbide, TbC ₃ Terbium carbide, TbC ₃ Terbium carbide, TbC ₄ Terbium carbide, TbC ₅ Terbium carbide, TbC ₅ Terbium carbide, TbC ₆ Terbium carbide, TbC ₇ Terbium carbide, TbC ₈ Terbium carbide, TbC ₉ Terbium car		T	8	8	8			10	181	1	-	13	163
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Te + As + EX4 Tellurium dioxide, TeO ₂ Terbium, Tb 1 372 4 232 Terbium elloy, Tb + Y Terbium borides: TbB _a TbB _{b,3} Terbium carbide, TbC ₃ Terpium carbide, Tb	-				j	-	1		-	1	-	1	-
Terlium dioxide, TeO ₃ Terbium alloy, Tb + Y Terbium borides: TbB ₄ TbB _{1,3} Terbium carbide, TbC ₉	-	}	}			-	١		-	1	-		-
Terblum, TD Terblum alloy, Tb + Y Terblum borides: Tb8, Tb8, Tb8, Tb8, Terblum carbide, TbC, Terylane filament yern Tetrabromoactylene Tetrabromoactylene Tetrabromoacthane	-	1	ł			-	1		-	1	-	1	-
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Thallium bromide fodfde		-		-	8	1459	8	1461		-	8	1463	j	-	'	-		! ! -
Thallium bromide + thallium chioride, KRS-6		-		-	}	-	8	1455		-	8	1457		<u> </u>		-	13	1015
Thallium bromide + thailium chioride, mixture		-	}	-		-	8	1455		-	8	1457		j -		-		i -
Thallium bromide + thallium lodide, KRS-5		-		-	8	1459	8	1461	,	-	8	1463		-		-		-
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Thallium carbide, TIC	2	625	ĺ	-	1	-		-		-		j	l	-	İ	-	ĺ	! -
Thallium chloride, TICI		-		-		-	8	899 901		-	8	903		i 		-	13	1014
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Thailium monofluoride, TiF		-	İ	-		-		-		-	,	-	}	- !		-	13	1069
Thailium monohydrogen difluoride, 71HF.	1	-	5	1006	l	-	}	-		-	1	-	l	-		-	1	-
Thallium Iodide, TII	1	-	İ	-	Ì	~		-		-	8	1029				-	13	1121
Thallium-lead intermetallic compound, Tl ₃ Pb	1	1349		-		-		-		-		<u> </u>		-		-		-
Thailium nitrate, TINOs	1	-	5	1157	ſ	-		-		-		! - .				-		. -
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Thorium, billet A		-	1	-	ł	-		_		-		-		-		-	12	334
Thorium, billet MX		-	[-		-		-		-	1	-		-	i	-	12	334
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Thorium carbides:											Γ			1		į	Γ	
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ThC ₂	2	593	1	-	8	852		-		i _	1	-		-	ĺ	-	13	886
Nonstoichiometric		-	5	454		! -		-		-		-		i -		-	1	-
Thorium monocarbide + uranium monocarbide, ThC + UC, mixt		<u> </u>		-		-		-		- -		<u> </u>		-		<u> </u> -	13	941
Thorium tetrafluoride, ThF4	j	-	5	1009	}	! -		-		-		<u> </u>		-	ļ			-
Thorium nitride, ThN				-		-		ļ -		<u> </u>		-		-		' -	13	1163
Thorium oxide, ThO ₂	2	195	5	234	8	438 440		442 444	8	446		-	10	401		: - !	13	376
Thorium oxide + molybdenum, cermet	1	1429			-	-		-		-		j -		-	}	: -)	-
Thorium oxide + nickel, cermet	1	-		-	8	1408		-		-		-		-	}	-	1	-
Tnorium oxide + tungsten, cermet	1	1439		· -		_	}	. -		<u> </u>		-		; -]	-		
Thorlum oxide + uranium oxide, mixture	2	413		-		-]	-		-		-		-]	<u>-</u>		! -
Thorium phosphide, ThP		-		-				-		-	}	; -		-		-	13	1183
Thorium silicate, ThSIO _s		-		-		-		j -		-		-	l	-	1	-	13	728
Thorium sulfide, ThS		-		. -		i –		-		-		-		-	1	-	13	1240
Thorium disulfide, ThS ₂	1	-	5	711		-		-		. –	{	-			1	-	1	-
Thoron	3	84		: _		! -	1	-		-		-		-		<u> </u>	1	· -
Thulia		-		-	8	447 450		-		-		-		 -		-]		. -
Thulium, Tm	1	385	4	245		-		<u> </u>		-		<u> </u>	10	187	ļ	-	12	336
Thullum borides;		!		1						1		!		!			 	
TmB _g		· -		-	8	723		-		! -		-		; -		- -	[-	-
TmB, 2		<u>.</u>		_		-		i -		-		-		-		: -	13	791
Thullum oxide, Tm ₂ O ₂	}	; - !		-	8	447 450		-		i –		į -		-		-	13	383
Tin, Sn	,	389	4	249	7	703 705	7	707	7	710 712 714 717	1	720	10	188 :		-	12	339
Tin, gray	1	-	4	249		-		-		-		-		. -		-	12	
Tin, white	1	-	4	249		-		-		_		-	l	-	ĺ	-		-
Tin anhydride, SnO ₂	2	199		-		! _		_		-		-		-	ĺ	-	1	i -
Tin alloys:		[ĺ	<u> </u>		İ		Ì		i				!	ĺ			
Sn + Ag	1	845	İ	-	Ì	-		-		-		-		-	ĺ	-	1	-
Sn + Al	1	823	Ì	-		-		-		-		-		-	1	-		! -
Sn + Bi	1	827	4	440		-	l	-		-	l	-		-	1	-	12	684
Sn + Cd	1	830	1	-		-		-		-	1	-		-	1	-	12	697
Sri + Cu	1.	833	ł	-		-	l	-	1	-		-	1	-	1	-		-
Sn + In	1	834	4	443		-		-	7	1026		-	1	-	1	-	12	835
Sn + Hg	1	842		-	1	-		-		-		-		-	Į	-		1 -
Sn + Mg	1	-	4	449	l	-		-		-		-	Į	-	Į	-	12	884
Sn + Pb	ļ,	839	4	446	ļ	_]	_	1	_]	_] _		-	12	872

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Substance Name	Co	nduc- vity		et.	Em i	s- lty		Flec-		sorp-		ens-	DI	ffu- vity		ty		pan-
	v.	Page	v.	Page	v.	Page	٧.	Page	٧.	Page	٧.	Page	v.	Page	v.	Page	٧.	Page
Tin alloys: (continued)																		
Sn + Sb	1	824		-		-		-		-		-	ļ	-		-] }	-
Sn + Tl	1	846		-		-		-		-	ł	-		-		-		-
Sn + Zn	1	847		-	1 1	-		-		-	ł	-	1	-		~		-
Sn + Cu + EX4	1	1072		-		- !		-		-		-		-		-		-
Sn + Sb + EX4	١,	1069		-				-		-		-		-		-		-
Sn + Sb + ΣXl , bearing metal, white	1	1070		-		-		-		-	ŀ	-	ŀ	-		-		-
Sn + Sb + ΣXi , SAE bearing alloy 11	1	1070		-		-		-		-	ĺ	j -		-		-		<u> </u>
Sn + Sb + EXi, SAE bearing alloy 10	1	1070		-		-		-		-		-	-	i -	ĺ	-		-
Tin ash, SnO ₂	2	199		-		-		-		-		-	}	· -		-		-
Tin + copper coating on steel substrate		-		-		-	9	757		-	1	-	1	-		_	1	· -
Tin tetrachioride, butter of tin	1	-	68	91		-		-		-		-		-	{	-	1	-
Tin tetrachloride, tin crystal		-	6s	91	}	-		-		-		-		-		-		-
Tin dioxide + zinc oxide, mixture	2	419 438		-		-		-		-		-		-		<u>-</u>		-
Tin dloxide + zinc oxide + ΣXi, mixture	2	524 528		-		-		-		-		-		_		-		! -
Tin oxides:					{									! !				:
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SnO₂	2	199	5	240	j	~	8	451		_		-		-	1	-	13	386
SnO ₂ , flowers of tin	2	199	5	240		-		-		-		, -		-		-		-
Tin phosphate, Sn ₂ (PO ₄) ₂	1	-		-	1	-		_	}	-	}	-		-		! -	13	691
Tin salt	1	! -	6s:	91		-		-		-	l	_		-		-	ł	-
Tin selenide, SnSe ₂	1	1352		-		-		-	•	-		-		-		· -	13	1192
Tin sulfide	1	· 	l	-	} }	-	8	1233	1	. <u>-</u>		-		_		_		-
Tin telluride, SnTe	1	1 355	1	-	}	-	8	1259		-	8	1264		-	l	-	13	1260
Tin tetrachionide		-	6s	91		-		-		-		-				i -	1 :	. -
Titania	2	202	5	246	8	456 458	8	461 473	8	475	8	476	}	-		-		-
Titania, dense	2	204		-		-		-		- 1		-		_		-	l	-
Titanic oxide, TiO ₂	2	202		-		-		-	1	-		<u>-</u>	1	-	1	· -	١,	_
Titanium, Ti	'	410	4	<i>2</i> 57	7	723 726 729 732 735 738	7	744 751 769	7	771	7	773	10	194		: -	12'	346
Titanium, 0.5 percent impurities		i -	4	257		-		-		-		-		· -		· -		-
Titanium, MSM-70		-	4	257		-		-		-		! - !		-		'		-
Titanium, oxidized		<u> </u>		-	,	-	9	1322		-		- '	}		}	-		-
Titanium, RS-70		-	4	257		-		-		-	}	. -	l	-	1	· -		_
Titenium, TI-75A		-	4	257	7	724 727	7	746		-		_		<u>-</u>		-		-
Titanium, unknown impurities	١,	1089		_		_		_	}	· _ `	}	<u> </u>		: -		, -	1	. -

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Substance Name	Co	nduc-		est		ris- vity		flec- vity		sorp-		ens- ssiv.	D1	ermai ffu- vity	s i	sco- ty		ermei cen- on
	v.	Page	٧.	Page	٧.	Page	٧.	Page	v.	Page	v.	Page	v.	Page	v.	Page	v.	Page
Titanium alloys:	Τ								Γ		Γ				\vdash	-	T	Ť
TI + Al	1	848		-		-		-		-	ĺ	-	10	260		-	12	659
TI + A1, A-110 '	۱ ا	1074	ĺ	-	ĺ	-		-	1	-		-	ĺ	-		ĺ -	Ĺ	-
TI + AI, BT-S		-		-	ļ	-		-		-		} -	10	261		-	1	-
Ti + Ai, Rusaian, 48-07-3	ł	-	ł	-		-	İ	-		-	1	-			i	-	13	752
Ti + Cr	1	-	1	-		-	ļ	-		-		-		-		-	12	726
Ti + Mo	1	-	4	456		-		-		-		-		-		-	12	910
Ti + Mo, M-6		-	4	456		-		-		-		-	<u> </u>	-		-		-
TI + Mo, M-8	1] _	4	456		-		-	ł		ł	-	1	-		-	}	-
TI + Mo, M-9	1	-	4	456		-		-	ļ	-	}	-		-		-] ;	-
TI + Mo, M-10)	-	4	456		-		-		-	ļ	-		-		-		-
TI + Mn	1	849	4	453	7	1028	7	1037	7	1041		- 1		-		-	12	894
Ti + Mn, AMS 4908		! -		_	7	1030	7	1038	l ;	-		_		_		_	}	_
TI + Mn, AMS 4908A	1	850		i - i		-		_		_		-		_	1	_		_
Ti + Mn, ASTM 8265-58T, grade 3 and 4		_	4	257		_		_		_		_		_	!	_		_
Ti + Mn, ASTM B265-58T, grade 6	1	1074		_		-		_		_		_]		_ j	Í	_		_
Ti + Mn, ASTM B265-58T, grade 7	1	850		-		-		_		-		- 1		- 1	1	_		_
Ti + Mn, C-110M	1	850	4	453	7	1030	7	1038	7	1041		-	1	-	i	_		_
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Ti + Mn, MST~BMn	1	850	4	453		-		-		-	i	-	1	-	:	-		- [
Ti + Mn, MSM-8Mn	ļ	_	4	453		- 1		-		-		-	i	- {		-		-
Ti + Mn, RS-110 A	l	_	4	453		-		- }		- }	į	-	:	- }	- }	-		- }
Ti + Mn, RC-130A	,		4	453		-		-		_		-		-	j	-	1	-
TI + Mn, TI-130A] ;	850	4	453		_		-		_	1	-	- !	-		-		-
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Ti + A1 + ΣΧ4] , [1073	4	508	7	1483	7	1497		1500]				-	12	993
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TI + A1 + ΣX4, AMS 4925A		1074		-	}	-		-	j	-	ļ	-	İ	-	į	_]	. ;	-
TI + A1 + ΣΧέ, AMS 4926] 1	1074		- }	}	-	-	-		-		-	j	-	1	-	ŧ	- }
TI + AI + ΣΧέ, AMS 4928	1	1074	4	598		- [-	İ	-		-		-		-	:	-
T1 + A1 + ΣΧέ, AMS 4929	۱۱	1074		-	- }	-		- }		-	!	-	į	- }	-	-		-
Tí + Al + ΣΧέ, AMS 4969	۱,	1074		-	i	-		-		-	-	-	1	-	ł	-	1	-
TI + Al + ΣXi , anodized		-		-	1	-	9	1289		-		-		-	1	-		-
Ti + Al + ΣX4, anodized, A-110 AT		-	1	-		-	9	1289	:	-		- [i	- [İ	-	12 1 1	274 280
Ti + Al + ΣΧέ, ASTM B265-58T, grade 6		1074		_		-		-		_		_	1	_	i	_	1	_
TI + AI + ΣΧέ, C-120AV		- }	4	598	1	- }	1	-		-		_	i	-	1	_	12-1	274
TI + AI + ΣΧέ, C-130AM	1	1074		-		-		-		_		-	İ	_	-	_	-	_
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Substance Name	Co	ermal Induc- vity		ecif. eat		is- vitv		flec-		sorp-		ens-	DI	ermal ffu- vity	* 1	sco- ty		erma pan- on
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Titanium alloys: (continued)																		
TI + AI + £X4, MSM-4AI-4Mn	,	1074		_		-		-		_		-		i -		-		-
T: + A1 + ∑X¢, MSM-6A1-4V	,	1084	4	598		-	ŀ	-		! -	Ì	_				1_		-
T1 + A1 + Σχέ, MST-6A1-4V	1	1074	1	Ţ		i _	ļ	_		! ! -		_		! <u>-</u>		! _		_
Ti + Ai + Σχέ, RC-130B		-		-		i _ '		-		-		; -	١	1_	1	-	12	127
TI + AI + Σχέ, TASE		-		ĺ _	,	1484	ĺ	_		_		_	(-		١.		_
T1 + A1 + ΣXέ, TA6V		-		! -	l	1484	l	-	ĺ	! -	l	!	ľ	_		_	ŀ	i _
Ti + Al + Σχέ, TI-155A	١,	1074		! <u>-</u>	1	_		! -	1	i _		-	1	_		_	ŀ	_
Ti + Al + Σχέ, Ti-4Al-3Mo-1V		1074	4	598		1 . – '		-		!		-	•	_		_	12	127
11 + A1 + 2AV, 11-9A1-380-1V		1075				•		!		1	ļ	ı	1	1		i !		127
Ti + Al + ΣXi, Ti-4Al-4Mn	1	1074 1084		-	ļ	-	l	i -		· -				! - 		-		-
Ti + Al + ΣXi, Ti-5Al-1.4Cr-1.5Fe-1.2Mo	1	1074		-	ļ	-	l	<u> </u>		. -	ļ	-		-		-	l	-
Γ i + Al + Σ Xi, Γ i-5Al-2.5Sn	1	1074		-		- 1		-		. -		<u> </u>		-		<u> </u>	12	12
Ti + Ai + ΣXi, Ti-5Al-5Sn-5Zr		-		-		· -		ļ _		- -		-		! !		-	12	12
T; + A1 + ΣΧέ, TI-5A1-5Sn-5Zr-1Mo-1V		-		ļ -		-		-		· -		-		-	ļ	-	12	12
T; + A1 + ΣΧέ, Ti-6A1-2Sn-4Zr-2Mo	}	-		-		-	•	: -		-		-		! -		-	12	12
TI + AI + ΣΧ4, TI-6AI-4V	1	1074	4	598	7	1484 1488 1492 1493	7	1498	7	1501		-	10	326		-		12
TI + A1 + XX6, TI-6A1-4V-3Co		-		-	Ì	í - '	Ì	-		-	ĺ	-	ĺ	-		-	12	12
Tl + Cr + ΣXi	1	1077	4	601	1	- '	l	-		<u> </u>	ĺ	i -	1	-		-	12	12
Ti + Cr + ΣXέ, TI-150A	1	1078	j	-		-		-		-		-		-		-	12	12
Ti + Cr + XX4, Ti-3A1-5Cr	İ	-		-	1	-		-	İ	_		-	İ	-	l	-	12	12
Ti + Fe + ΣΧi	1	1080	4	604	ĺ	-	ł	-		-		-		-		-		-
Ti + Fe + ΣΧέ, Ti-140A	1	1081		-	l	-		-		-	l	-	l	-	ł	-		! -
Ti + Fe + ΣXi, Ti-2Cr-2Fe-2Mo	1	1081		-	1	-		-		-	l	-		-		-	ŀ	-
Ti + Fe + ΣΧέ, Russian. ferrocarbontitanium	,	1081		_	1	-		_		_	l	-		_		-	ĺ	-
T1 + Mn + ΣΧ6	,	1083		-	7	1503 1505		-		-		-		-		-		-
Ti + Mn + EX4, RC-1308	١,	1084		-		-		-		-		-		_		-		-
TI + Mn + ΣΧέ, RS-120		-		-	7	1503 1506		-		-		-		-		-		-
Ti + Sn + ΣX&		-		-		-		-		-		-		-		-		12
TI + Sn + ΣX4, TI-679	İ	-		-	ĺ	-		: -		· -		-		-	l	-		12
TI + V + EX4	1	1086	4	607		-	(1508		: -		-		-	l	-	12	12
T1 + V + $\Sigma X \hat{\iota}$, anodized	1	-		-	İ	-	9	1 293		i -		-		-		-		-
TI + V + ΣX4, TI-2.5A1-16V	1	1087	4	607		-	[-		-		-		-		-	12	12 12
TI + V + EX4, TI-3A1-11Cr-13V	,	1087		-	1	ļ -		-		-		-		-		-		-
TI + V + ΣX4, TI-13V-11Cr-3A1	١,	1087	4	607	1	-		-		-	Ì	-	1	-		-		-

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Substance Name	Co	ermel nduc- vity		eif.		is- vity		Flec-		sorp-		ens- ssiv.	DI	rmel ffu- vity	\$1:	sco- ty		ermal pen- on
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Titanium alloys: (continued)					Γ												Г	
TI + V + EXC, MSM-2.5A1-16V		-	4	607		-		-		-	1	-		-		-		-
TI + V + EXE, MST-2.5A1-16V		-	4	607		-		-	}	-	•	-		-		-	ľ	-
T1 + V + ΣX2, 120 VCA	١,	1087		-		-		-		-	ĺ	- 1		-		-	ļ	-
T: + V + $\Sigma X L$, B-120VAC, anodized	}	-		-		-	9	1293	1	-	1	-		-		-		-
T1 + V + ΣΧέ, Β-120VCA		-		-		- !		-	1	-	ĺ	-		-		-	12	1294
Titanium-aluminum Intermetallic compound, TiAl		-		-	8	1338 1339	8	1341		-		-		-		-		-
Titanium beryllide, TiBe ₁₂		-	5	328		-		-	1	} -	1	-		[-		-		-
Titanium boride, TIB ₂	1	1358	5	378	8	703 705 707	8	710		-		-	10	484		-	13	778
Titanium boride + nickel powder	1	-		-		- '	8	1435		-		-	l		}	-		} -
Titanium boride + titanium, cermet		-		-	8	1410	8	1437		-		-		-		-		-
Titanium boride + titanium oxide powder		-		-	8	1489 1490	8	1493		-		-		-	}	-		-
Titanium boride + zirconium silicide powder		-		-		-	8	1495		-	<u>.</u>	_		 -		-		-
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Titanium carbide, TIC	2	594	5	457	8	819 821 823 825		-		-		-	10	486		-	13	891
Titanium carbide + cobalt, cermet	2	725		-		-		-	}	-		-		<u> </u>		-	13	1341
Titanium carbide + cobalt + niobium carbide, cermet	2	726		-		-		-		-		-		-		! . -		- -
Titanium carbide + cobalt, Kennametal K138A		-		-		-		-		_		-		! ~		i -	13	: 1341
Titanium carbide + nickei, Kennametal Ki50A		-		-	8	1413 1415		-		-		-		_		: - !		! !
Titanium carbide + nickel, Kennametal K151A		-		-	8	1413 1415		-		-		-		-		-		-
Titanium carbide + nickel, Kennametal K152B		-		-	8	1413 1415		-		-		-		_		-		-
Titanium carbide + nickel, Kennametal K1538		-		-	8	1413 1415		-		-		-		- 		-		-
Titanium carbide + nickel, Kennametał K161B	2	728		-		-		-		-		-		-		: -		-
Titenium cenbide + nickti, Kennametal K163B		-		-	a	1413 1415		-		_		-		-		-		_
Titenium carbide + nickel, Kennametal K1848		-		-	В	1413 1415		-		-		-		-		-		-
Titanium carbida + molybdenum + nickel + niobium carbide, cermet	2	727		-		-		 -		-		-		-		-		-
Titanium cerbide + nickel + XXI, cermet		-		-	8	1412 1415		-		-		-		-		-	13	131

	Τ				TI	herme	R	ediat	ive	Prop	ert	ies	Г					
Substance Name	Cor	ermel nduc- vity		ocif.		is-		flec-					יוס	ermei ffu- vity	•	eco- ty		ermel pen- on
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Titanium carbide + nickel + niobium carbide, carmet	2	730		_		_		-		-		-	Γ	-		-	Γ	-
Titanium carbide + steal, T-420-G, cermet	ł	-		-		-		-		-		-	1	-	ł	-	13	1341
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Titanium oxide + titanium chromium compound, cermet		_	j	-	В	1419 1420	8	1421	<u></u>	-		-		-		{ 		-
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Uranium dioxida + molybdanum, carmet	2	735		-		-		-		-		-		-	1	-	13	1326
Uranium dioxide + niobium, cermet	2	738	ĺ	-		-		-		-		-		-	ĺ	! -		-
Uranium dioxide + stainless steel, cermet	2	741	•	-		-		-		-		-		-		-	13	1330
Uranium dioxide + uranium, cermet	1	744 1442		-		-		-		-		-		-		-		-
Uranium dioxide + uranium oxycarbide, mixture		-	1	-		-		-		-		-	10	447		-		-
Unanium dioxide + yttrium oxide, mixture	2	428 432		-		-		-		-		-		-	[-		-
Uranium dioxide + zirconium, cermet	2	746		-		-		-		-		-	1	-	{	-	13	1342
Uranium dioxide + zirconium dioxide, mixture	2	429		-		-		-		-	1	-		-	1	-		-

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Substance Name	Co	arma: nduc- vity		ecir.		is- vity	Reflec- tivity	Absorp- tivity		Dif	fu-	sity	Expan-
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Uranium fluorides:													
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UF ₆		-	5	1018	ł	-	-	-	-		-	-	· -
Uranium hydride, UH _s		ļ -	5	1050	ļ	-	· ~	-	-		-	-	-
Uranium lodide, Ul ₄		-	5	513		-	-	-	- :		-		-
Uranium nitride, UN	2	672	5	1096	ĺ	-	' ~		-	10	500	· -	13 115
Uranium nitride, nonstoichiometric	ı	! -	5	1099	l	-		i -	-	1	-	-	-
Uranium oxides:		1	1	;		:	'		ł			}	ļ
UO₂	2	210	5	259	В	478 485	: -	-	8 486	10	402	-	13 41
UO₂, powder	2	1040		: -	j	<u> </u>	-				-	-	-
UU _s		-	5	262			, -	· _	-		-	-	-
U ₃ O ₆	2	237	5	265		_	-	-	-		-	-	13 42
U ₄ O ₆		-	5	269		-	-	-	-		-		13 42
Uranium oxycarbida	- }	_		_		-	-	-	_	10	502	-	· -
Uranium phosphide, UP		-		<u>.</u> –		· _	-	-	-	10	505		13 117
Uranium plutonium carbida, UPuC		-	ĺ			· -	-	-	-	Ì	-	-	13 91
Uranium selenide, USe	- 1	-	Ì	! _		. -	} -	} _	} _		-	-	13 119
Uranium silicides:		1	1	į			j)	}			}	
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Uranium sulfide, US	- 1	-	ĺ	_		! <u>-</u>			-	10	507	-	13 122
Uranium trisilicide + tungsten, cermet	-	-		! -		-		-	_	Ì	-		13.134
Uranus 10	- }	! -	Ì	-		: -	7 1283		_		-	_	-
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Vanadic anhydride	- }	! <u>-</u>	5	281		-	- 1		-	'	-	- :	; -
Vanadium, V	١,	441	4	271	7	840	7 844 848			10	209	-	12 37
Vanadium alloys:		1		1		ſ			'				
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V + Cr	1	-	1	-	ĺ	-	-	-	-	$\{i\}$	-	-	12 72
V + Fe	- ∤ ,	874	4	471	1	-	-	-	-		-	-	
V + Fe, Russian, ferrovanadium	١,	875	1	-		ļ -	-] -] -] ;	-	-	
V + Mo	-	-		-		-	-	-	1 -	l i	-	-	12 92
V + Nb	1	-		-	1	-	-	-	-		-	-	12 95
V + Sb		-	4	468	1	-	-	-	-	1	-	-	-
V + Sn	ļ	-	4	474		_	}	-	-		-	-	-

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Substance Name	Co	ermal induc- vity		cif.	Emi	s- vity		lec-		sorp-	Tran		DII	ermal Ffu- /ity	V 1 1	sco- ty		ermal San-
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Vaṇadium alloys:	$\overline{}$															-		
(continued) V + TI		_	4	477				_				_		_			1,2	989
V + Y	Ι,	877	Ι,	-			:	_		_		_	[_	"	-
V + Cr + ΣX;	- '	. 6//	} :	_		_ !	1	_		i _		_		_		~	1,2	1310
V + TI + £Xt				_		_	١.	_				_		_		_		1311
Vanadium boride, VB,				-	8	732	Ĺ	_				_		_		_		783
Vanadium carbides:			!														1	
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Vanadium hydrides:	-						l						ļ				ļ	
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Vanadium nitrides:											ĺ							
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Vanadium oxides:			1										1		ŀ		l	
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V ₂ O ₃		-	5	275		-		-		-		-		-		-		_
V ₂ O ₄		-	5	278		-		-		-	ł	-	l	-		-		-
V ₂ O ₆		-	5	281		-	8	546		-		-		-		-	13	432
Vanadium phosphate, VPOs	- 1	-	1	-	1	-	:	-				-	1	-		-	13	691
Vanadium silicides:													1					
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V ₆ Si ₉		-	5	631		-	1	-		-		-		-	l	-	13	1214
Verilite		<u>;</u> -		-		_		-	İ	-	١.	-	1	-		-	12	1040
Vermiculite mice, granulated	2	825		-		-	•	-		-	<u> </u>	-	1	-		! -	١.	-
Vineger ecid		-	6 s	1		-		-		-		-		-	Ì	-		-
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Vinyl acetate		<u>-</u>	6s	95		-		-		. -	1	-		-		-		-
V i ny i benzene		-	6s	84		-		-		-	1	-		-		<u>-</u>		-
Vinylethylene		-	6 s	5		-	- 1	-		-		-		-		j -		-
Vinyl fluoride		-	68	41	[-	1	-		-		-		-		-		-
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Vitreosii, [.R.	- {	-		-	[{	-		-		-	{	-		-	(-	13	365
Vitreous silica	2	184 185 187	,	-	8	403 405	8	409 413		415	8	417 426		-		-	13	360 362 365

Substance Name			Specif.		T	nerme i	R	ed at	ive	Prope	ert	ies	L .		T			
		ermel: nduc-' vity			Eni	s- /ity		lec-			Trans- missiv.		Thermal Diffu- sivity		Visco- sity		Therma Expan- sion	
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Wal I board	2	1131	Г	-		-		-		-		-	Г	-		-		-
Wallboard, cornstalk	2	1111		-		-		-		-		-	l	-		-		-
Welnut	2	1089		-		-		-		-		-		-		-		-
Water	Э	120	6	102		-		-		-		-	10	390	11	94	13	261
Water, dideuterated		-	6=	95		-		-		-		-		-		-		-
Whiting	1	-		-		-		-		-		-	10	414		-		-
Wolfram, tungsten	1	415	4	263		-		-	l	-		-		-		-		-
Wollestonite	2	859		-		-	8	618		-		-		-		-	13	705
Wood, american white	2	1090		-		-		-		-		-	1	¦ -		-		-
Wood, box	2	1061		-		-	1	-		-	ĺ	-	l	-		_		-
Wood, felt	2	1133		-		-		-		_		-	1	-		-		-
Wood, fiber blanket	2	1132]	-		-		-		 -		-	1	-		-		-
Wood, greenheart	2	1074		-		-		-		-		-		-		-		-
Wood, hardwood	2	1075		-		-		-		-		-		-		-		-
Wood, mineral board processed	2	1141		-		-		-		-		-		-		-		_
Wood, redwood	2	1084		-		-		-	1	-		-	ĺ	-		-		-
Wood, redwood bank	2	1084		-		-		-		-		-		-		-		-
Wood, sawdust	2	1085		-		-		-	l	-		-		-		-		-
Wood, white	2	1090		_		_		-		-		-	l	-		_		_
Wool, angora	2	1092		-		_		_		_	ŀ	-		ļ <u>-</u>		-		_
Wool, mineral	2	1147		-		_		-		-		-	1	-		-		_
Wool, sheep	2	1092	ł	_		_	l	} _	}	-	}	-	1	Ì -		-		_
Wulfenite		-		_		-	8	1673		ļ -		-	l	-		-		-
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Xenon, Xe	Э	88	6	57	1	_		_		-		_	1	-	11	62	13	170
Xenon tetrafluoride, XeFa		-	5	1024		-		_		-	ł	-	1	-		i -		-
r-Xylene	ł	_	6s	98		_		_		_		-	1	-		ļ -		_
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lYtterbia		_	5	284		_		_		-	۱.	_		-		-		-
Ytterblum, Yb	١,	446	4	274		-		_		_		-	10	212		! -	12	382
Ytterbium borides:									ĺ		1	İ				i		
YbB _a		-		-	8	723		-		 -		-	1	-		-		_
Yb8 _{1,2}		-		-		_		-		_		-		-		-	13	791
Ytterbium geillum oxide, YbaGasO12		-	5	1620		-		-		-		_		-		-		_
Ytterbium hydride, YbH ₂	1	_		-		-		-		-	1	-		 -		-	13	1091
Ytterbium oxide, Yb ₂ O ₂		-	5	284	8	488		-	1	-	8	490		-		! -	13	435
Ytterblum-zinc Intermetallic compound, YbZn ₂		_		_		-		_		-		-		-		 -	12	625
Yttria	2	240	5	287		-		-		-		-		-		! -		-
Yttrium, Y	1	449	4	278	7	853	ł	-		-		-	10	213		-	12	387
Yttrium aluminate, Y ₈ Al ₈ O ₁₂	2	308		-		-	İ	-		-		-		-		-		-
Yttrium aluminate garnet	l	_		-		_	8	579		<u> </u>		-	1	! -		-		-

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Substance Name		nduc- vity			Emis- sivity		Reflec- tivity		Absorp- tivity		Trans-		Thermal Diffu- sivity		•			ormel pen-
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Yttrium eluminate garnet, YAG	+	-		-		-	8	579	Г	-		-	T	-	T	-	Г	-
Yttrium borides:	})]			}))	}	}])				}
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Yttrium carbides:	ł					,	•	ļ		ļ	ļ	ļ					ļ	
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Yttrium galilum oxide, Y _e Ga _s O _{t2}	1	-	5	1623		-		 - ,		-	1	-	[-		-		-
Yttrium hydrides:	1		1] .		l						l		l			1
YH ₂	1	-	5	1056		-	}	-	•	-		-	1	-		-		-
YH,		-	5	1059		-		-	,	-	ļ	-		-		-		-
Yttrium iron gernet	2	311		-		-		-		-		-		-		-		-
Yttrium nitride	1	-		-	'	-		-		-	8	1090		-		-		-
Yttrium oxide, Y ₂ O ₂	2	240	5	287	8	492 494	8	501	Ì	-	8	504	10	407		-	13	438
	1				[496 498										}		!
Yttrium oxide + zirconium oxide, mixture	2	449		-		-		-		-		-	10	454		-		-
Yttrium oxide + zirconium oxide + ΣX4, mixture	2	537		-	}	-		-		-		-		-		-		-
Yttrium phosphate	1	-		-		-	8	607		-	1	-	}	-		-		-
Yttrium silicate, Y ₂ SiO ₈	ļ	-		-		-		-		-		-		-	ļ	-	13	728
Yttrium vanadate	1	-		-	8	669	8	671		-		-		-		-		-
Zinc, Zn	١ ا	453	4	281	7	855 857	7	860	7	864 866		-	10	216		-	12	391
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Zn + A1, Zamek Nr 400	ן '	880	,	-		-]	-		-	}	<u> </u>	1	-	1	! -	}	-
Zn + A1, Zamek Nr 410		1098	l	_		-		-		-		-		-		-		-
Zn + A1, Zamak Nr 430	ſ	1098		-		-	ĺ	-		-		-		-		_		_
Zn + Cd	'		١.	-		-	ŀ	-		-	l	-		-	l	- _		707
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Zn + A1 + ΣX6	- 1	1098]	_	'	-		_		_	1]		-				_
Zn + Pb + XX6	{ '	1099		_	(_		_		_		<u> </u>	1	-	l	_		,
Zinc aluminum oxida, ZnO-Al ₂ O ₈		-		-		-	_	-		-	l	-		_		-	13	485
Zinc entimonide	ļ	-		-		-	"	1348		-		-		-		-	ا ا	_
Zinc arsenide, Zn _e As _e				•		_] -		-		_		-		-	13	752
Zinc chioride, ZnCi _a	2	626	5	908		-		-		-		-	1	-	1	-		_

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Substance Name	Co	nduc-		oif.	Em			lec-		orp-	Trans-		D11	rma1 Ifu-	Vi:	ty	Ex	ermei cen-
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Zinc fluoride, ZnF,	+	Page	_	1027	+		÷				<u>.</u>	-	H	-	Ë	-	_	1071
Zinc germanium oxide, 2ZnO-GeO ₂	1		ľ			_		_		_		_		_	ł	_	13	500
Zinc germanium phosphide, ZnGeP ₂	2	792	1	_		_		_		_		_		_	ŀ	_		_
Zinc iron oxide, ZnO-Fe ₂ O ₃	2	314	ł	1626		_		_		_		_		_	1	_		_
Zinc dilodine tetrasulfide	-	_		_	}	_		_ '		_	8	1236		_		_		; -
Zinc ferrite	Ì	_	5	1626	İ	_		_ '		_		_		_		_		! -
Zinc oxide, AZO-33, powder compect	1	_	ľ	_		_	8	510		_		_		_	İ	_		_
21nc oxide, A20-33, powder compact	1	ļ					Ĭ	518				İ			l	j]
Zinc oxide, AZO-55LO, powder compact		-		-		-	8	510 518		-		-		-		-		-
Zinc oxide, AZQ-66, powder compect		-		-		-	8	510 518		-		-		-		-		-
Zinc oxide, Kodak 515	1	-		-	j	_		-	8	521		-		-		-		-
Zinc oxide, ZnO	2	243	5	290	В	506	8	507	8	519 521	8	522	10	408	ĺ	-	13	444
Zinc phosphates:										321				 				1
Zn(PO ₂) ₂		-		_		-		-		-		_		-		-	13	684
Zn ₂ P ₂ O ₇		_		_		-		;		_		_				 	13	691
Zn _a (PO ₄) ₂		-		_	ļ	_	١,	-		-		-		-		-	13	681
Zinc selenide, ZnSe	1	1371		-	8	1112 1114	8	1117	8	1121	8	1123		-		-	13	1187
Zinc silicon arsenide, ZnSAs ₂	1	1374		-		-		-		-		-		-		-		-
Zinc silicate, Zn ₂ SiO ₄	-	-	5	1629	ĺ	-		-		-		-		-	Ì	-	13	722
Zinc sulfate heptahydrate, ZnSO ₄ ·7H ₂ O	2	694	5	1224		- !		-		- 1		-	{	-	Ì	-	ł	-
Zinc sulfide, ZnS		-	5	714	8	1213 1215	В	1217 1222	8	1224 1226	8	1227	İ	-		-	13	1232
Zinc telluride, ZnTe		-		-		-	8	1266		-	8	1268		-		-	13	1 265
Zinc titanium oxide, 2ZnO·TiO ₂	ļ	-	5	1632		-	8	660	8	662		-	l	-		-	•	-
Zinc vanadium oxides:			ļ	İ										<u> </u>			1	
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Zinc-zirconium intermetallic compound, Zn ₂ Zr		_		_		_		_		-		-		-		-	12	628
Zinc zirconium silicate		-	ļ	-		-		-	8	616] -]	-		-		-
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Zircon, zirconium silicon tetracxide		-	5	1635	8	1685 1687	8	613	8	615		-		-		-		-
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Zircon, Florida		-		-		-		-	ł	-		-	1	-		-	13	
Zircon, Taylor	ł	-		-		-		-		-		-		-	l	-	13	725
Zircon Tam	2	318	1	-		-	1	-		-	1	-	1	-		-		-
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Zirconia	2	246	5	293	8	524 526 529 531 533		536	8	544		-		-		-] -

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Zirconia, TAM	 `	rage	۲	- age	-		8	540		-	H	r æge	۳	-	۳	-	H	-
Zirconia, stabilized	2	522		_	ŀ	_		_		_		_		_ '		_		_
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Zr + Nb	١,	886	4	495	ľ	-		-		-		-	1	-	1	-	12	959
Zr + Sn	1	887	4	501		-		-		-		-	10	264		-	12	986
Zr + Ti	1	890	4	504	1	-		-		-		-	l	-		-	12	993
Zr + U	١,	891	4	507		-		-		-		-	10	267		-	12	998
Zr + A1 + ΣXέ	1	1100		-		-		-		-		-	10	329		-		-
Zr + Hf + ΣX4	1	1101	4	613	7	1517		-		-		-		j -		-		-
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Zr + Sn + ΣX4, Zirceloy-2	1	888	4	501	7	1520 1523		-		-	Ì	-	10	265		-	12	987 1313
Zr + Sn + ΣX4, Zircaloy-4	1	668		-		-		-		-		-		-	ŀ	-	12	1313
Zr + Ta + ΣX6	1	1105		-		-		-		-		-		-		-		-
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Zr + U + EX4	,	1111	4	616	7	1525 1528		-		-		-	1	-		-]	-
2r + TI + ΣX4, No. 7		-		-		-		-		-		-		-	ļ	-	12	1318
2r + T1 + ΣX4, No. 9		-		-	l	-		_		-		-		-]	-	12	1318
Zirconium beryilide	-	-	5	331	1	-		-		-		-		-		-		-
Zirconium 13-beryllide, ZrBe ₁₈		-	5	331		-		-		-		-		-		-	l	-
Zirconium boride + chromium, cermet	1	-		-	l	-		-		-	l	-		-	l	-	13	1342
Zirconium borides:						İ												
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Zr8,		-	5	391	•	713 715 717	•	720		-		-	10	509	ļ	-	13	784
Zre, ,		_		-		-		-		-		 -		-		-	13	793
Zirconium carbide, ZrC	2	609	5	478	•	833 835 837	•	843		-		-	10	511		-	13	926
Zirconium chromium oxida, ZrO ₂ -Cr ₂ O ₂		-		-		841		-		-		_		-		-	13	490

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ZrH	2	793		-		-		-	[-	•	-		-		-		-
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Zirconium hydride + uranium, cermet	1	-		-	ĺ	-	ĺ	-	l	-	ĺ	-	10	540		-	1	-
Zirconium iodide	1	462 463		-		-		-	j	-		-		-		-		-
Zirconium nitride, ZrN	2	675	5	1106	8	1078 1060 1082		-		_		-	10	514		-	13	1156
Zirconoum oxide, Norton RZ 5601		-	l	\ -	8	534		- '	ĺ	-		-		-	ĺ	-	ĺ	-
Zirconium oxide, ZrO ₂	2	246	5	293	8	524 526 529 531 533	8	536	8	544		-	10	409		-	13	451
Zirconium oxide, stabilized		-		-	8	527 532	8	538	8	544		-		-		-		-
Zirconium oxide + aluminum, cermet	•	-		} -		-	8	1442		-		-		-		-		-
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Zirconium oxide + yttrium oxide + zirconium, cermet	2	753		_				_		-		-		_		_		_
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Zirconium silicates:	1					3												
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MASTER INDEX

Corrections have been made on the following pages:											
83	2/1/80										
15, 43, 63, 69, 78	, 119, 150, 155, 178 1/31/81										